


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Desert Springs State 314-36-9-18				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT 8 MILE FLAT NORTH				
4. TYPE OF WELL Gas Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY						7. OPERATOR PHONE				
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML45171			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1464 FNL 1371 FEL		SWNE	36	9.0 S	18.0 E	S		
Top of Uppermost Producing Zone		1155 FNL 1980 FEL		NWNE	36	9.0 S	18.0 E	S		
At Total Depth		1155 FNL 1980 FEL		NWNE	36	9.0 S	18.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1155			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000			26. PROPOSED DEPTH MD: 12765 TVD: 12700				
27. ELEVATION - GROUND LEVEL 4912			28. BOND NUMBER K08792707			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.25	13.375	0 - 60	48.0	H-40 ST&C	8.3	Class G	55	1.18	15.8
SURF	12.25	9.625	0 - 3400	36.0	J-55 LT&C	8.3	Hi Lift "G"	290	3.91	11.0
							Premium Foamed	115	1.63	14.2
PROD	8.75	4.5	0 - 12765	13.5	HCP-110 LT&C	11.6	Premium Lite High Strength	680	2.26	12.0
							50/50 Poz	2090	1.31	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Roger Knight				TITLE EHS Supervisor			PHONE 303 996-1803			
SIGNATURE				DATE 11/16/2012			EMAIL rknight@gascoenergy.com			
API NUMBER ASSIGNED 43047533280000				APPROVAL  Permit Manager						

Gasco Production Company
Desert Springs State 314-36-9-18
NW/NE, Section #36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth	Subsea
Wasatch	5145'	-90
Mesaverde	9035'	-3080'
Castlegate	11455'	-6400'
Blackhawk	11735'	-6680'
Spring Canyon	12365'	-7310'
TD	12765'	

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Gas	Wasatch	5145' - 9034'
Gas	Mesaverde	9035' - 11454'
Gas	Blackhawk	11735' - 12364'
Gas	Spring Canyon	12365' - 12765'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment

All well control equipment will be in accordance to UDOGM Conservation Rules for 5M Systems and are as follows:

5,000# BOP with 4 1/2" Pipe Rams
 5,000# BOP with Blind Rams
 5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Pressure Control Equipment Continued

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BPOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

A rotating head will be utilized to set surface casing as in the casing and string design. This would be used as a diverter.

UDOGM will be notified, with sufficient lead time, in order to have a UDGM representative on location during testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.
- b. A choke line and kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Weight</u>	<u>Type</u>
Conductor	60'	17.25"	13.375"	H-40	48#	-
Surface	3400'	12.25"	9.625"	J-55	36#	LTC
Production	12765'	8.75"	4.5"	HCP-110	13.5#	LTC

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	<u>Top of Cement</u>	<u>Sacks</u>	<u>Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>
Conductor	To Surface	55	Class G	1.18	15.8
Surface	To Surface	290	Hi-Lift	3.91	11.0
		115	RFC	1.63	14.2
Production	To Surface	680	Premium Lite	2.26	12.0
		2090	50/50 poz	1.31	14.3

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. UDOGM should be notified, with sufficient lead time, in order to have a UDOGM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with UDOGM within 30 days after the work is completed.

1. Progress reports, per UDOGM Conservation General Rules "Sundry Notices and Reports on Wells", must include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing,

depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.

c. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

5. Drilling Fluids Program:

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>	<u>Remarks</u>
0-60'	Air Mist	8.3	1	7.0	NA	
60'-3400'	AirMist	8.3	35	7.0	NA	
3400'-TD	Water based mud	8.3- 11.6	35	10-10.5		

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on State lands without prior UDOGM approval to ensure adequate protection of fresh water aquifers.

c. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

d. The use of materials under UDOGM jurisdiction will conform to the Conservation General Rules.

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with UDOGM Conservation General Rules. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed.

Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the wellbore. Produce all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the UDOGM on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 7655psig

The maximum bottom hole temperature anticipated is 230 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 15 days.

c. UDOGM shall be notified of the anticipated date of location construction and anticipated spud date.

- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with UDOGM Conservation General Rules, this well will report "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the UDOGM.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed on producing status. Written notification, e-mail or otherwise, will be sent no later than 5 days following the date on which the well is placed on production.
- j. With the approval of the UDOGM Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the UDOGM Engineer.
- k. Operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the UDOGM Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.
- l. A schematic facilities diagram shall be submitted to UDOGM within 60 days of installation or first production whichever occurs first. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with UDOGM Conservation General Rules.
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on State lands.

Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84116

Phone 801-538-5340
Fax 801-539-3940

CONFIDENTIAL

T9S, R18E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well location, DESERT SPRINGS STATE
#314-36-9-18, located as shown in the SW 1/4
NE 1/4 of Section 36, T9S, R18E, S.L.B.&M.,
Uintah County, Utah.

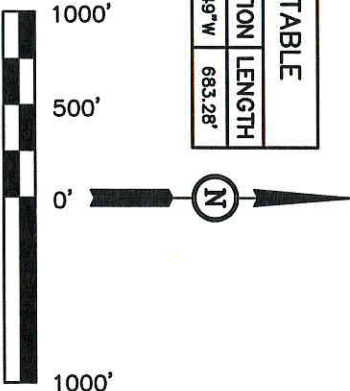
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14,
T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM
QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP)
PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE
INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS
BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N63°04'49"W	683.28'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPRESENTS PREPARED BY
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

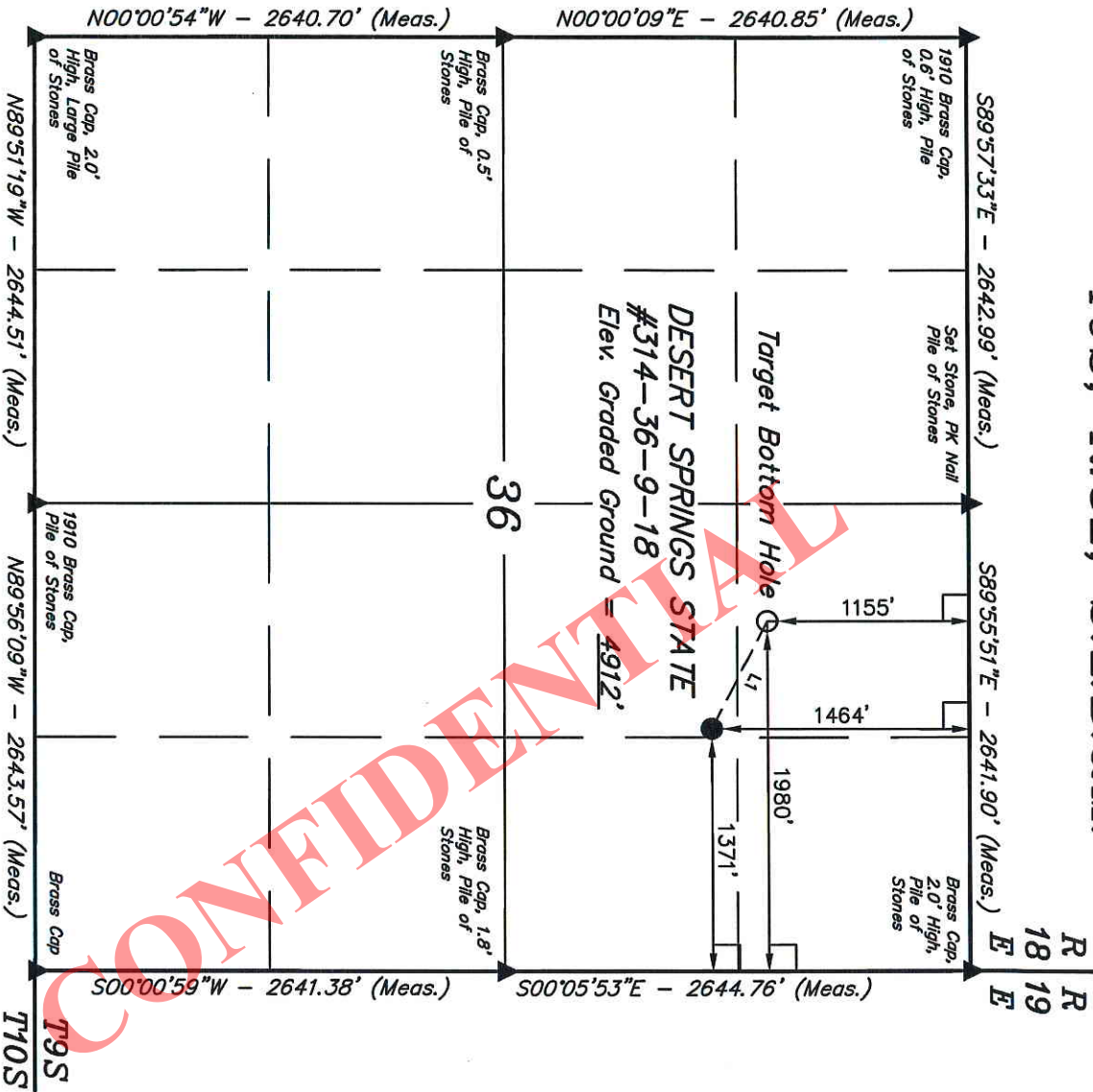
SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	08-27-12	08-28-12

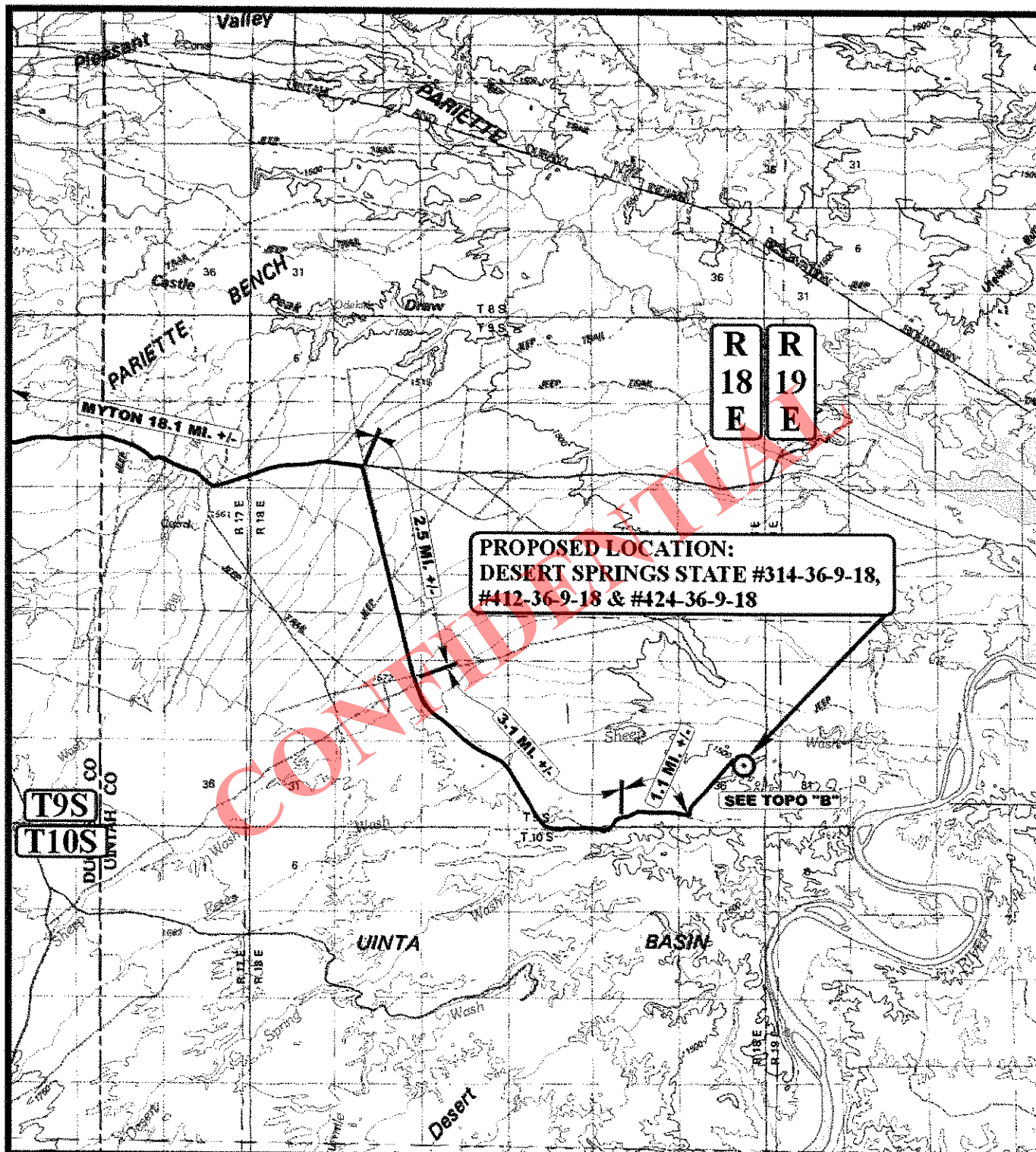
PARTY	REFERENCES	FILE
J.F. D.D. T.B.	G.L.O. PLAT	
WEATHER		GASCO PRODUCTION COMPANY
HOT		

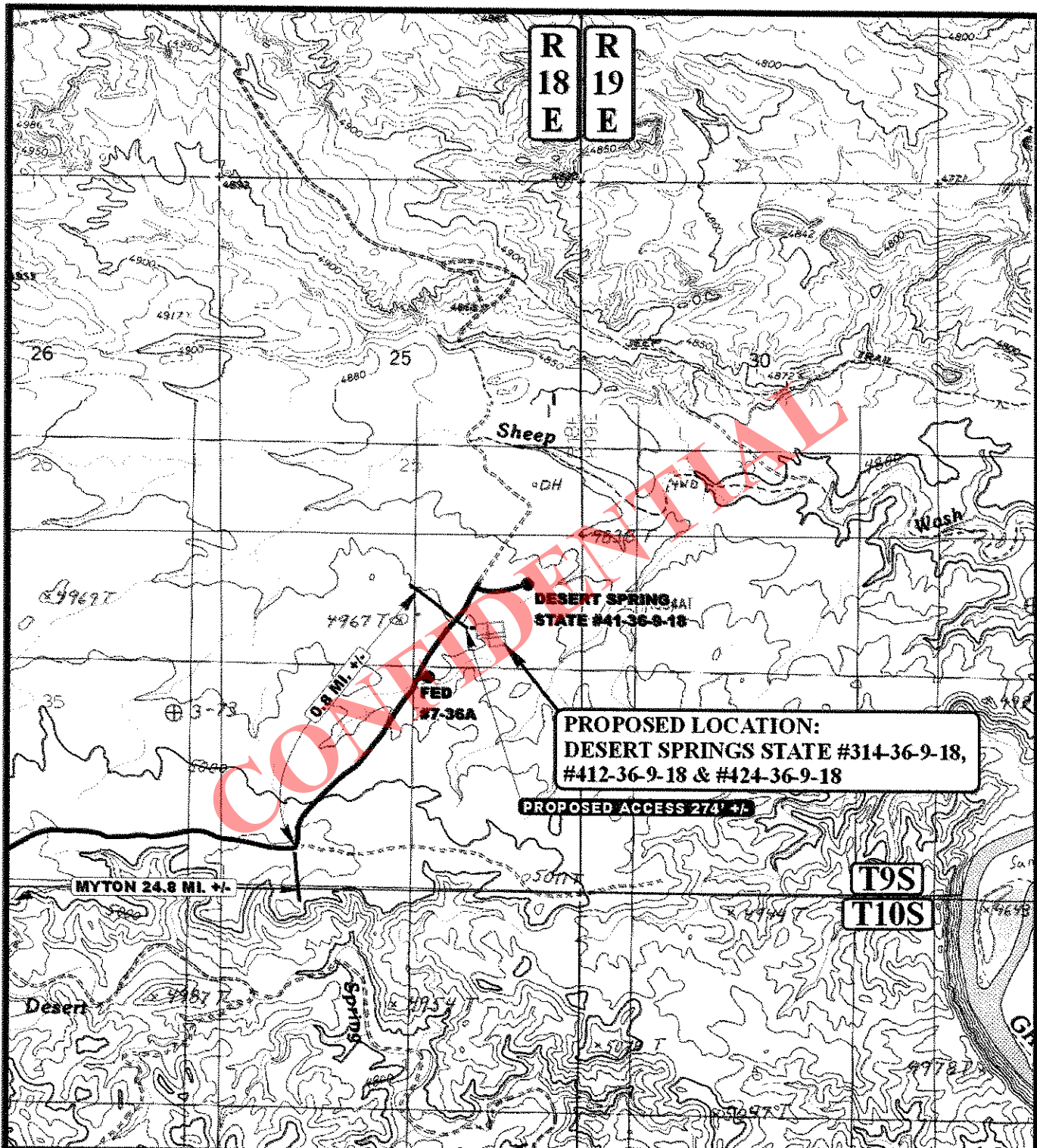
LEGEND:

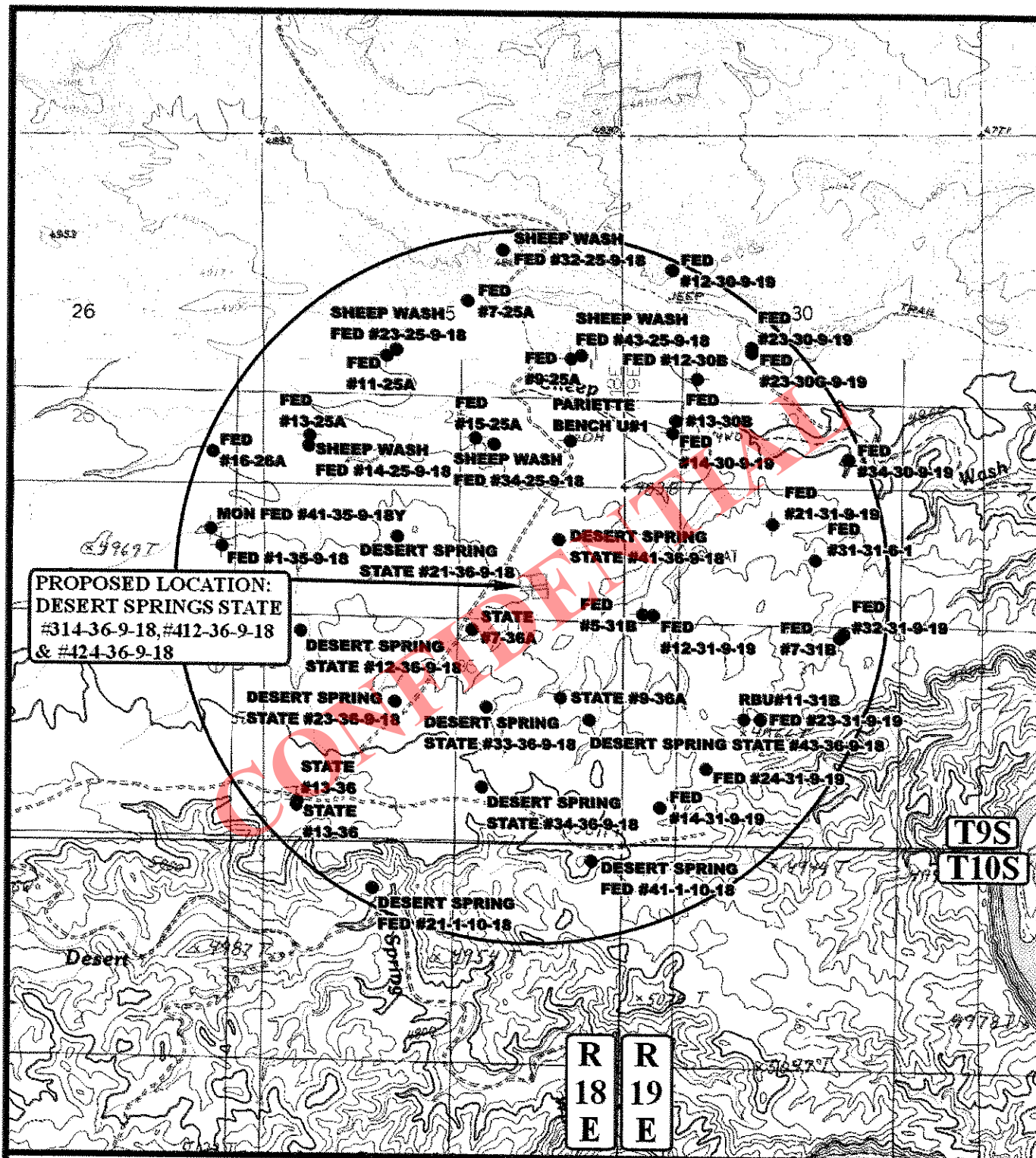
- 90° SYMBOL
- PROPOSED WELL HEAD.
- SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'29.29" (39.991469)	LATITUDE = 39°59'26.23" (39.990619)	LATITUDE = 39°59'26.23" (39.990619)	LATITUDE = 39°59'26.36" (39.990656)
LONGITUDE = 109°50'22.63" (109.839619)	LONGITUDE = 109°50'14.80" (109.837444)	LONGITUDE = 109°50'14.80" (109.837444)	LONGITUDE = 109°50'12.28" (109.836744)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'29.42" (39.991506)	LATITUDE = 39°59'26.36" (39.990656)	LATITUDE = 39°59'26.36" (39.990656)	LATITUDE = 39°59'26.36" (39.990656)
LONGITUDE = 109°50'20.11" (109.838919)	LONGITUDE = 109°50'12.28" (109.836744)	LONGITUDE = 109°50'12.28" (109.836744)	LONGITUDE = 109°50'12.28" (109.836744)







**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**GASCO PRODUCTION COMPANY**

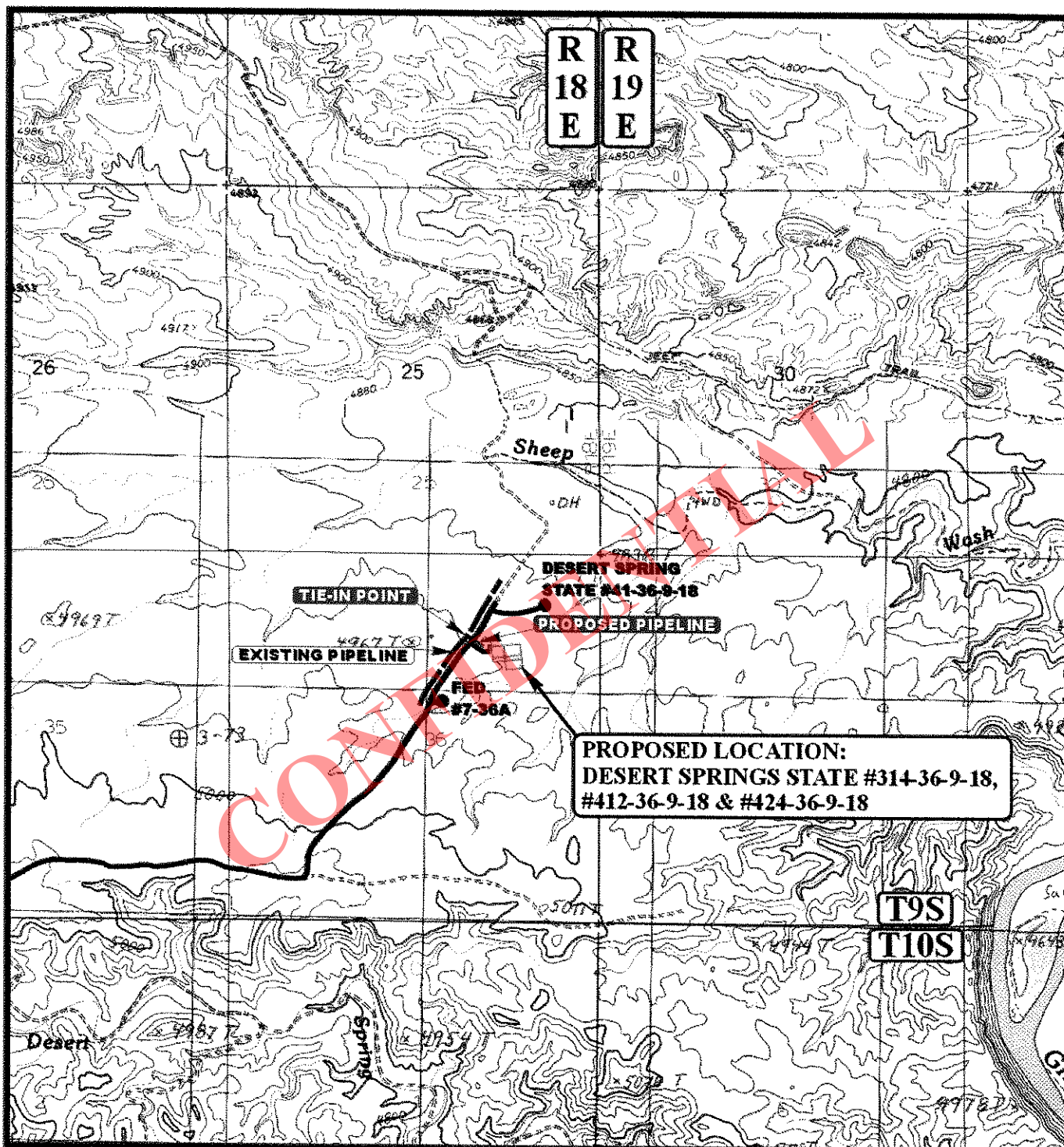
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

TOPOGRAPHIC
MAP

08 29 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00

C
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 303' +/-

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

ACCESS ROAD
MAP

08 29 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00

D
TOPO



Gasco Energy

Uintah County, UT

Sec 36, T9S, R18E - Desert Springs

Desert Springs State #314-36-9-18

Original Hole

Plan: Plan #2

Standard Planning Report

08 November, 2012

gyrodata

Precision Wellbore Placement



Planning Report



Precision Wellbore Placement

Database:	Gyrodatta Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #314-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #314-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Project	Uintah County, UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec 36, T9S, R18E - Desert Springs				
Site Position:		Northing:	605,545.93 usft	Latitude:	39° 59' 2.910 N
From:	Lat/Long	Easting:	2,462,998.31 usft	Longitude:	109° 50' 51.240 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.06°

Well	Desert Springs State #314-36-9-18					
Well Position	+N/-S	2,372.81 usft	Northing:	607,974.35 usft	Latitude:	39° 59' 26.360 N
	+E/-W	3,032.18 usft	Easting:	2,465,986.14 usft	Longitude:	109° 50' 12.280 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,912.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/07/12	11.03	65.76	52,139

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	296.93

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	6.00	296.93	599.45	7.11	-13.99	2.00	2.00	0.00	296.93	
3,500.00	6.00	296.93	3,483.57	144.40	-284.25	0.00	0.00	0.00	0.00	
3,898.62	17.96	296.94	3,872.80	181.81	-357.88	3.00	3.00	0.00	0.01	
4,511.83	17.96	296.94	4,456.13	267.47	-526.43	0.00	0.00	0.00	0.00	
5,110.45	0.00	0.00	5,045.00	309.62	-609.39	3.00	-3.00	0.00	180.00	
12,765.45	0.00	0.00	12,700.00	309.62	-609.39	0.00	0.00	0.00	0.00	PBHL (DSS #314-36-



Planning Report



Precision Wellbore Placement

Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #314-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #314-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8"									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	296.93	399.98	0.79	-1.56	1.75	2.00	2.00	0.00
500.00	4.00	296.93	499.84	3.16	-6.22	6.98	2.00	2.00	0.00
600.00	6.00	296.93	599.45	7.11	-13.99	15.69	2.00	2.00	0.00
Start 2900.00 hold at 600.00 MD									
700.00	6.00	296.93	698.90	11.84	-23.31	26.15	0.00	0.00	0.00
800.00	6.00	296.93	798.36	16.58	-32.63	36.60	0.00	0.00	0.00
900.00	6.00	296.93	897.81	21.31	-41.95	47.05	0.00	0.00	0.00
1,000.00	6.00	296.93	997.26	26.04	-51.27	57.50	0.00	0.00	0.00
1,100.00	6.00	296.93	1,096.71	30.78	-60.59	67.96	0.00	0.00	0.00
1,200.00	6.00	296.93	1,196.17	35.51	-69.91	78.41	0.00	0.00	0.00
1,300.00	6.00	296.93	1,295.62	40.25	-79.23	88.86	0.00	0.00	0.00
1,400.00	6.00	296.93	1,395.07	44.98	-88.55	99.32	0.00	0.00	0.00
1,500.00	6.00	296.93	1,494.52	49.71	-97.87	109.77	0.00	0.00	0.00
1,600.00	6.00	296.93	1,593.97	54.45	-107.19	120.22	0.00	0.00	0.00
1,700.00	6.00	296.93	1,693.43	59.18	-116.50	130.67	0.00	0.00	0.00
1,800.00	6.00	296.93	1,792.88	63.92	-125.82	141.13	0.00	0.00	0.00
1,900.00	6.00	296.93	1,892.33	68.65	-135.14	151.58	0.00	0.00	0.00
2,000.00	6.00	296.93	1,991.78	73.39	-144.46	162.03	0.00	0.00	0.00
2,100.00	6.00	296.93	2,091.23	78.12	-153.78	172.49	0.00	0.00	0.00
2,200.00	6.00	296.93	2,190.69	82.85	-163.10	182.94	0.00	0.00	0.00
2,300.00	6.00	296.93	2,290.14	87.59	-172.42	193.39	0.00	0.00	0.00
2,400.00	6.00	296.93	2,389.59	92.32	-181.74	203.84	0.00	0.00	0.00
2,500.00	6.00	296.93	2,489.04	97.06	-191.06	214.30	0.00	0.00	0.00
2,600.00	6.00	296.93	2,588.50	101.79	-200.38	224.75	0.00	0.00	0.00
2,700.00	6.00	296.93	2,687.95	106.52	-209.70	235.20	0.00	0.00	0.00
2,800.00	6.00	296.93	2,787.40	111.26	-219.02	245.66	0.00	0.00	0.00
2,900.00	6.00	296.93	2,886.85	115.99	-228.34	256.11	0.00	0.00	0.00
3,000.00	6.00	296.93	2,986.30	120.73	-237.66	266.56	0.00	0.00	0.00
3,100.00	6.00	296.93	3,085.76	125.46	-246.98	277.01	0.00	0.00	0.00
3,200.00	6.00	296.93	3,185.21	130.19	-256.29	287.47	0.00	0.00	0.00
3,300.00	6.00	296.93	3,284.66	134.93	-265.61	297.92	0.00	0.00	0.00
3,400.00	6.00	296.93	3,384.11	139.66	-274.93	308.37	0.00	0.00	0.00
9 5/8"									
3,500.00	6.00	296.93	3,483.57	144.40	-284.25	318.83	0.00	0.00	0.00
Start DLS 3.00 TFO 0.01									
3,600.00	9.00	296.93	3,582.70	150.31	-295.89	331.88	3.00	3.00	0.00
3,700.00	12.00	296.94	3,681.01	158.56	-312.13	350.10	3.00	3.00	0.00
3,800.00	15.00	296.94	3,778.24	169.14	-332.94	373.44	3.00	3.00	0.00
3,898.62	17.96	296.94	3,872.80	181.81	-357.88	401.41	3.00	3.00	0.00
Start 613.21 hold at 3898.62 MD									
3,900.00	17.96	296.94	3,874.11	182.00	-358.26	401.84	0.00	0.00	0.00
4,000.00	17.96	296.94	3,969.24	195.97	-385.75	432.67	0.00	0.00	0.00
4,100.00	17.96	296.94	4,064.37	209.94	-413.23	463.50	0.00	0.00	0.00
4,200.00	17.96	296.94	4,159.49	223.91	-440.72	494.34	0.00	0.00	0.00



Planning Report



Precision Wellbore Placement

Database: Gyrodata Single User DB
 Company: Gasco Energy
 Project: Uintah County, UT
 Site: Sec 36, T9S, R16E - Desert Springs
 Well: Desert Springs State #314-36-9-18
 Wellbore: Original Hole
 Design: Plan #2

Local Co-ordinate Reference: Well Desert Springs State #314-36-9-18
 TVD Reference: Est RKB=15' @ 4927.00usft (Original Well Elev)
 MD Reference: Est RKB=15' @ 4927.00usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.00	17.96	296.94	4,254.62	237.88	-468.21	525.17	0.00	0.00	0.00
4,400.00	17.96	296.94	4,349.75	251.85	-495.69	556.00	0.00	0.00	0.00
4,500.00	17.96	296.94	4,444.88	265.81	-523.18	586.84	0.00	0.00	0.00
4,511.83	17.96	296.94	4,456.13	267.47	-526.43	590.48	0.00	0.00	0.00
Start Drop -3.00									
4,600.00	15.31	296.94	4,540.60	278.90	-548.94	615.72	3.00	-3.00	0.00
4,700.00	12.31	296.94	4,637.70	289.72	-570.22	639.60	3.00	-3.00	0.00
4,800.00	9.31	296.94	4,735.91	298.22	-586.94	658.36	3.00	-3.00	0.00
4,900.00	6.31	296.94	4,834.97	304.38	-599.06	671.95	3.00	-3.00	0.00
5,000.00	3.31	296.94	4,934.61	308.18	-606.54	680.34	3.00	-3.00	0.00
5,100.00	0.31	296.94	5,034.55	309.61	-609.36	683.51	3.00	-3.00	0.00
5,110.45	0.00	0.00	5,045.00	309.62	-609.39	683.53	3.00	-3.00	0.00
Start 7655.00 hold at 5110.45 MD									
5,200.00	0.00	0.00	5,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,210.45	0.00	0.00	5,145.00	309.62	-609.39	683.53	0.00	0.00	0.00
Wasatch									
5,300.00	0.00	0.00	5,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,400.00	0.00	0.00	5,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,500.00	0.00	0.00	5,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,600.00	0.00	0.00	5,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,700.00	0.00	0.00	5,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,800.00	0.00	0.00	5,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
5,900.00	0.00	0.00	5,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,000.00	0.00	0.00	5,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,100.00	0.00	0.00	6,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,200.00	0.00	0.00	6,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,300.00	0.00	0.00	6,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,400.00	0.00	0.00	6,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,500.00	0.00	0.00	6,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,600.00	0.00	0.00	6,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,700.00	0.00	0.00	6,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,800.00	0.00	0.00	6,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
6,900.00	0.00	0.00	6,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,000.00	0.00	0.00	6,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,100.00	0.00	0.00	7,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,200.00	0.00	0.00	7,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,300.00	0.00	0.00	7,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,400.00	0.00	0.00	7,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,500.00	0.00	0.00	7,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,600.00	0.00	0.00	7,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,700.00	0.00	0.00	7,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,800.00	0.00	0.00	7,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
7,900.00	0.00	0.00	7,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,000.00	0.00	0.00	7,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,100.00	0.00	0.00	8,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,200.00	0.00	0.00	8,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,300.00	0.00	0.00	8,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,400.00	0.00	0.00	8,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,500.00	0.00	0.00	8,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,600.00	0.00	0.00	8,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,700.00	0.00	0.00	8,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
8,800.00	0.00	0.00	8,734.55	309.62	-609.39	683.53	0.00	0.00	0.00



Planning Report



Precision Wellbore Placement

Database:	Gyrodatta Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #314-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R10E - Desert Springs	North Reference:	True
Well:	Desert Springs State #314-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,900.00	0.00	0.00	8,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,000.00	0.00	0.00	8,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,100.00	0.00	0.00	9,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,100.45	0.00	0.00	9,035.00	309.62	-609.39	683.53	0.00	0.00	0.00
Mesaverde									
9,200.00	0.00	0.00	9,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,300.00	0.00	0.00	9,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,400.00	0.00	0.00	9,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,500.00	0.00	0.00	9,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,600.00	0.00	0.00	9,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,700.00	0.00	0.00	9,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,800.00	0.00	0.00	9,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
9,900.00	0.00	0.00	9,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,000.00	0.00	0.00	9,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,100.00	0.00	0.00	10,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,200.00	0.00	0.00	10,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,300.00	0.00	0.00	10,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,400.00	0.00	0.00	10,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,500.00	0.00	0.00	10,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,600.00	0.00	0.00	10,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,700.00	0.00	0.00	10,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,800.00	0.00	0.00	10,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
10,900.00	0.00	0.00	10,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,000.00	0.00	0.00	10,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,100.00	0.00	0.00	11,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,200.00	0.00	0.00	11,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,300.00	0.00	0.00	11,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,400.00	0.00	0.00	11,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,500.00	0.00	0.00	11,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,520.45	0.00	0.00	11,455.00	309.62	-609.39	683.53	0.00	0.00	0.00
Castlegate									
11,600.00	0.00	0.00	11,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,700.00	0.00	0.00	11,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,800.00	0.00	0.00	11,734.55	309.62	-609.39	683.53	0.00	0.00	0.00
11,800.45	0.00	0.00	11,735.00	309.62	-609.39	683.53	0.00	0.00	0.00
Blackhawk									
11,900.00	0.00	0.00	11,834.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,000.00	0.00	0.00	11,934.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,100.00	0.00	0.00	12,034.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,200.00	0.00	0.00	12,134.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,300.00	0.00	0.00	12,234.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,400.00	0.00	0.00	12,334.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,430.45	0.00	0.00	12,365.00	309.62	-609.39	683.53	0.00	0.00	0.00
Spring Canyon									
12,500.00	0.00	0.00	12,434.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,600.00	0.00	0.00	12,534.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,700.00	0.00	0.00	12,634.55	309.62	-609.39	683.53	0.00	0.00	0.00
12,765.45	0.00	0.00	12,700.00	309.62	-609.39	683.53	0.00	0.00	0.00
TD at 12765.45 - TD - 4 1/2" - PBHL (DSS #314-36-9-18)									



Planning Report



Database:	Gyrodatta Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #314-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 4927.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #314-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (DSS #314-36-9-1 - plan hits target center - Point	0.00	0.00	12,700.00	309.62	-609.39	608,272.59	2,465,371.10	39° 59' 29.420 N	109° 50' 20.110 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
60.00	60.00	13 3/8"	13-3/8	17-1/2
3,400.00	3,384.11	9 5/8"	9-5/8	12-1/4
12,765.45	12,700.00	4 1/2"	4-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,210.45	5,145.00	Wasatch		0.00	
9,100.45	9,035.00	Mesaverde		0.00	
11,520.45	11,455.00	Castlegate		0.00	
11,800.45	11,735.00	Blackhawk		0.00	
12,430.45	12,365.00	Spring Canyon		0.00	
12,765.45	12,700.00	TD		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.00	300.00	0.00	0.00	Start Build 2.00
600.00	599.45	7.11	-13.99	Start 2900.00 hold at 600.00 MD
3,500.00	3,483.57	144.40	-284.25	Start DLS 3.00 TFO 0.01
3,898.62	3,872.80	181.81	-357.88	Start 613.21 hold at 3898.62 MD
4,511.83	4,456.13	267.47	-526.43	Start Drop -3.00
5,110.45	5,045.00	309.62	-609.39	Start 7655.00 hold at 5110.45 MD
12,765.45	12,700.00	309.62	-609.39	TD at 12765.45

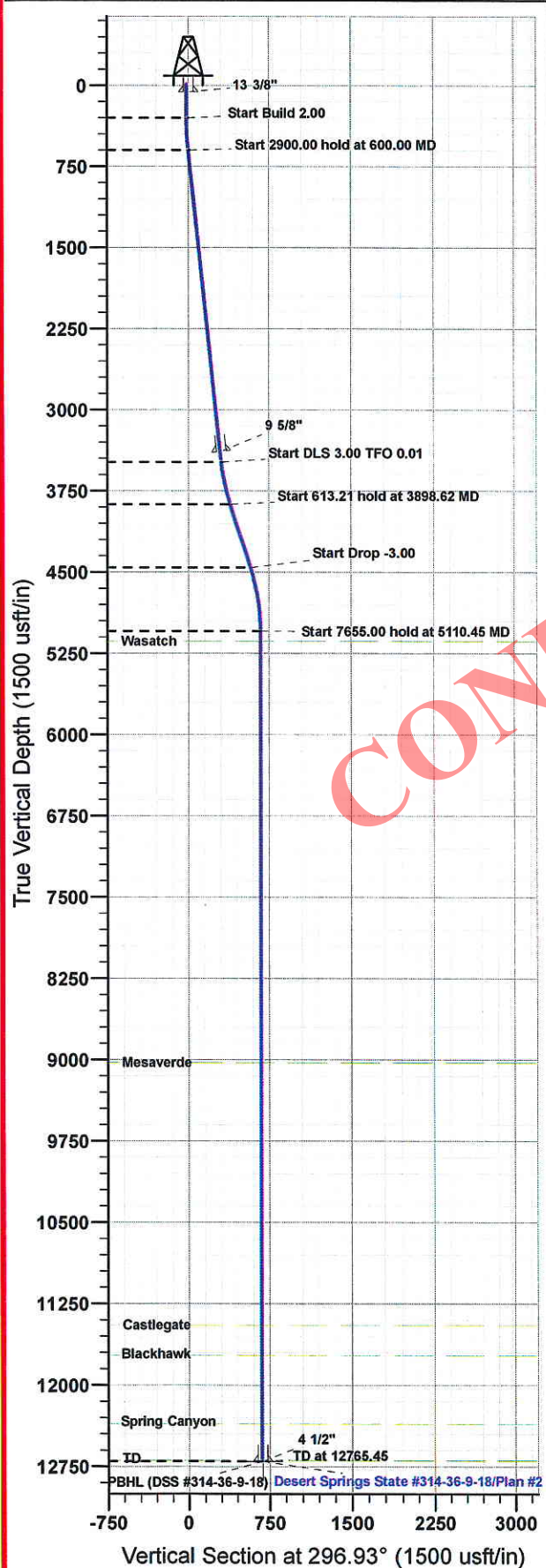


Company: Gasco Energy
Field: Uintah County, UT
Location: Sec 36, T9S, R18E - Desert Springs
Well: Desert Springs State #314-36-9-18
Original Hole

Plan: Plan #2 (Desert Springs State #314-36-9-18/Original Hole)
Est RKB=15' @ 4927.00usft (Original Well Elev)

gyro/data

Precision Wellbore Placement



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	600.00	6.00	296.93	599.45	7.11	-13.99	2.00	296.93	15.69	
4	3500.00	6.00	296.93	3483.57	144.40	-284.25	0.00	0.00	318.83	
5	3898.62	17.96	296.94	3872.80	181.81	-357.88	3.00	0.01	401.41	
6	4511.83	17.96	296.94	4456.13	267.47	-526.43	0.00	0.00	590.48	
7	5110.45	0.00	0.00	5045.00	309.62	-609.39	3.00	180.00	683.53	
8	12765.45	0.00	0.00	12700.00	309.62	-609.39	0.00	0.00	683.53	PBHL (DSS #314-36-9-18)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL (DSS #314-36-9-18)	12700.00	309.62	-609.39	608272.59	2465371.10	

WELL DETAILS: Desert Springs State #314-36-9-18

Ground Elev: 4912.00						
Est RKB=15' @ 4927.00usft (Original Well Elev)						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	607974.35	2465986.14	39° 59' 26.360 N	109° 50' 12.280 W	

ANNOTATIONS

TVD	MD	Annotation
300.00	300.00	Start Build 2.00
599.45	600.00	Start 2900.00 hold at 600.00 MD
3483.57	3500.00	Start DLS 3.00 TFO 0.01
3872.80	3898.62	Start 613.21 hold at 3898.62 MD
4456.13	4511.83	Start Drop -3.00
5045.00	5110.45	Start 7655.00 hold at 5110.45 MD
12700.00	12765.45	TD at 12765.45

FORMATION TOPS ALONG WELLPATH

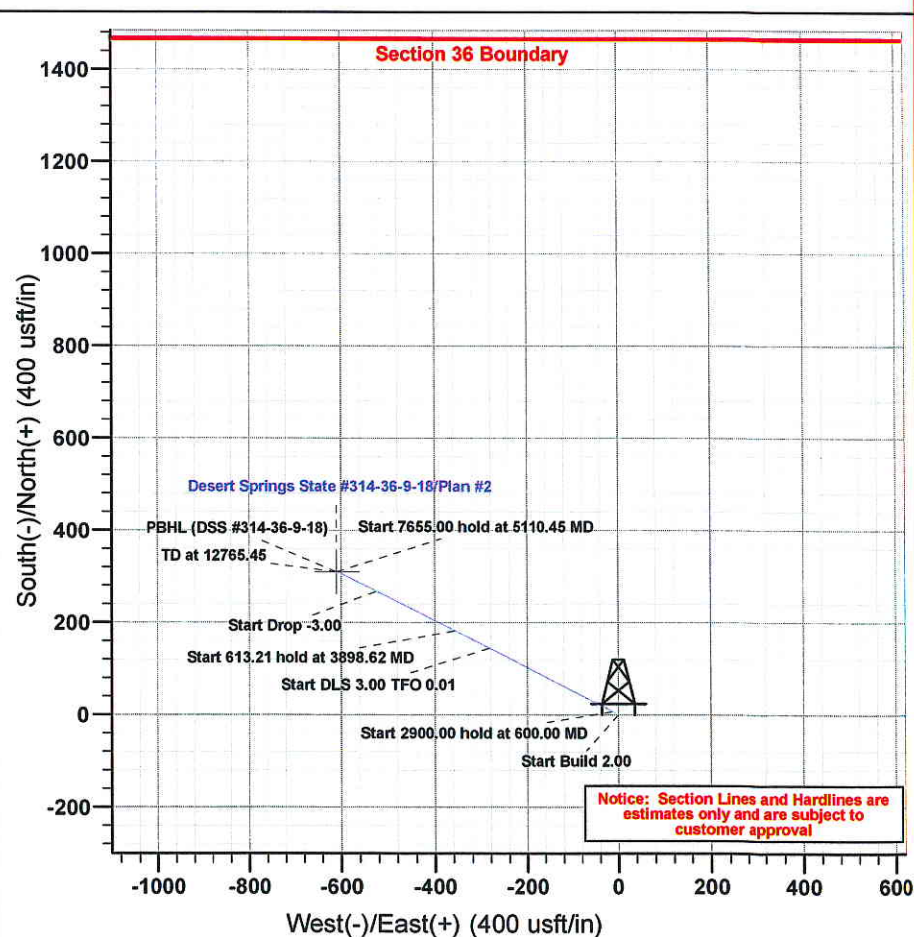
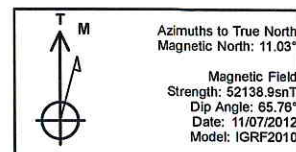
TVDPath	MDPath	Formation
5145.00	5210.45	Wasatch
9035.00	9100.45	Mesaverde
11455.00	11520.45	Castlegate
11735.00	11800.45	Blackhawk
12365.00	12430.45	Spring Canyon
12700.00	12765.45	TD

CASING DETAILS

TVD	MD	Name	Size
60.00	60.00	13 3/8"	13-3/8
3384.11	3400.00	9 5/8"	9-5/8
12700.00	12765.45	4 1/2"	4-1/2

Plan: Plan #2 (Desert Springs State #314-36-9-18/Original Hole)

Created By: M. Routh Date: 14:11, November 08 2012



Gasco Production Company
Desert Springs State 314-36-9-18
NW/NE, Section 36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Production Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted with at least one of the land management agency specialists and Gasco which may include the following individuals:

UDOGM Representative
SITLA Representative
Gasco Production Company
Uintah Engineer and Land Surveying

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from plats.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

4. Location of Tank Batteries and Production Facilities

- a. All permanent surface equipment will be painted a Color approved by the land management agency.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank with in the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A production layout will be submitted via sundry upon proven productivity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. A natural gas pipeline, up to 12" steel, and a water pipeline, up to 12" poly, will follow the proposed access for approximately 303', as detailed in attached Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline. This pipeline will service all wells from this pad.

5. Location and Type of Water

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

6. Source of Construction Material

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

- a. the reserve pit will be double lined with at least 16 mil liners.
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal site as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. After first production, produced waste water will be confined to an unlined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Upon completion, any hydrocarbon within the reserve pit will be removed in accordance with 43 CFR 3162.7-1.
- c. The reserve pit will be backfilled and reclaimed within 120 days from the well completion. The reserve pit liner will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

d. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the State of Utah.

12. Other Information

- a. An archeological and Paleontological survey was conducted. They will be submitted under a separate cover.
- b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.
- c. COA's from onsite will be implemented/followed.
- d. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.
- e. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.
- f. All lease and unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.
- g. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

Immediately upon first production all produced water will be confined to a steel storage tank. Water will be disposed of via truck transport to a State of Utah approved disposal site.

Wildlife Timing Stipulations COA's from onsite will be implemented/followed.

13. Lessee's or Operators Representative

Gasco Production Company

Roger Knight – EHS Supervisor
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237
(303) 996-1803 – office
(720) 810-3850 – cell

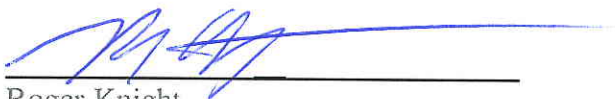
Jesse Duncan

PO Box 351
10569 Pariette Road
Myton, Utah 84052
(435)828-1221 - Cell
(435)636-3336 – office

Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the *Well Desert Springs State 314-36-9-18, NW/NE Section 36, T9S, R18E, Lease No. ML-45171, Uintah County, Utah;* and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond K08792707.

I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

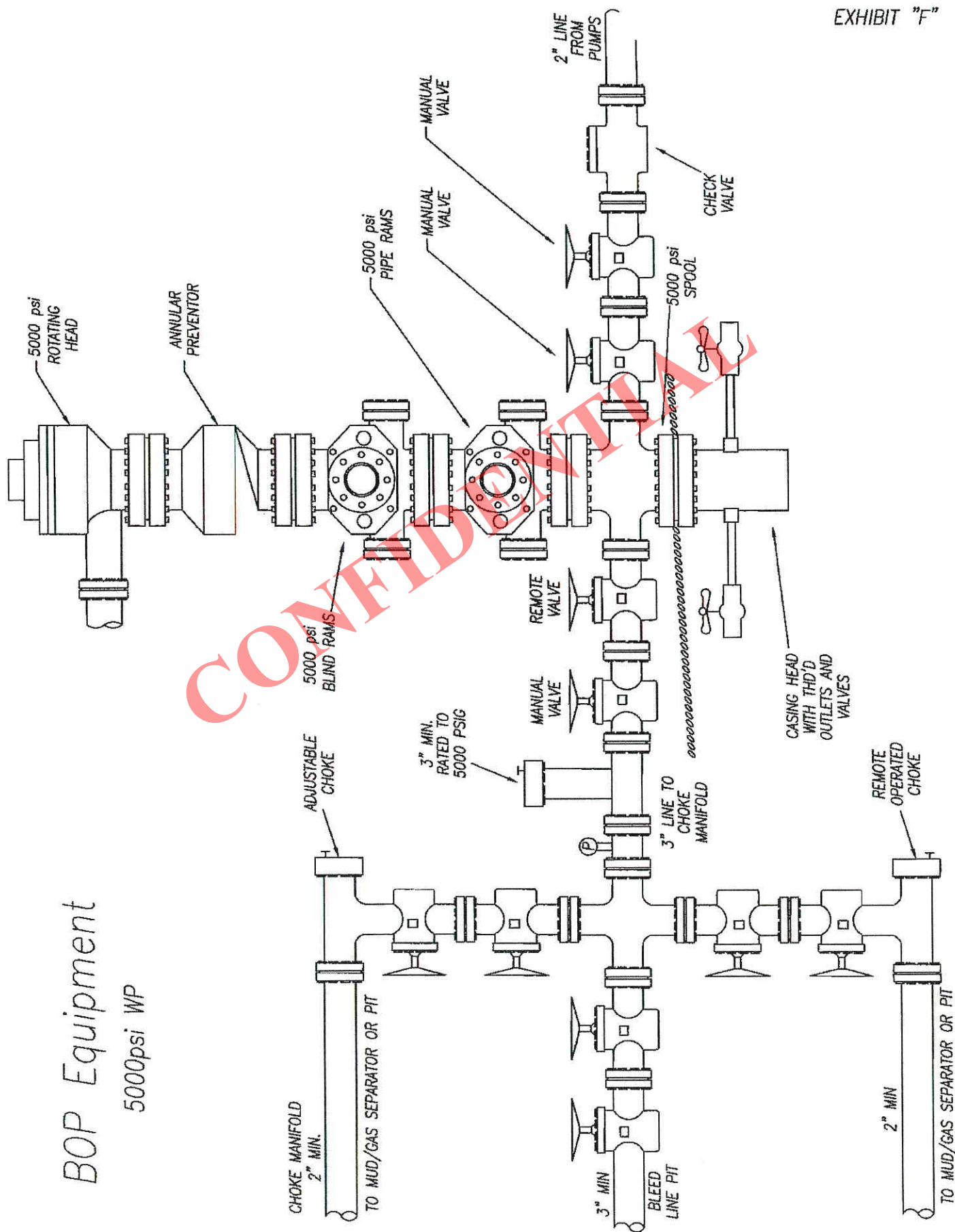


Roger Knight
EHS Supervisor
Gasco Production Company

2-20-13

Date

EXHIBIT "F"



BOP Equipment

5000psi WP

November 12, 2012

Gasco Production Company
Desert Springs State 314-36-9-18
1155' FNL & 1980' FEL
NWNE of Section 36-T9S-R18E
Uintah County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Signature

Senior Operations Manager

Title

7979 East Tufts Avenue, Suite 1150 Denver, CO 80237

Address

303-483-0044

Phone

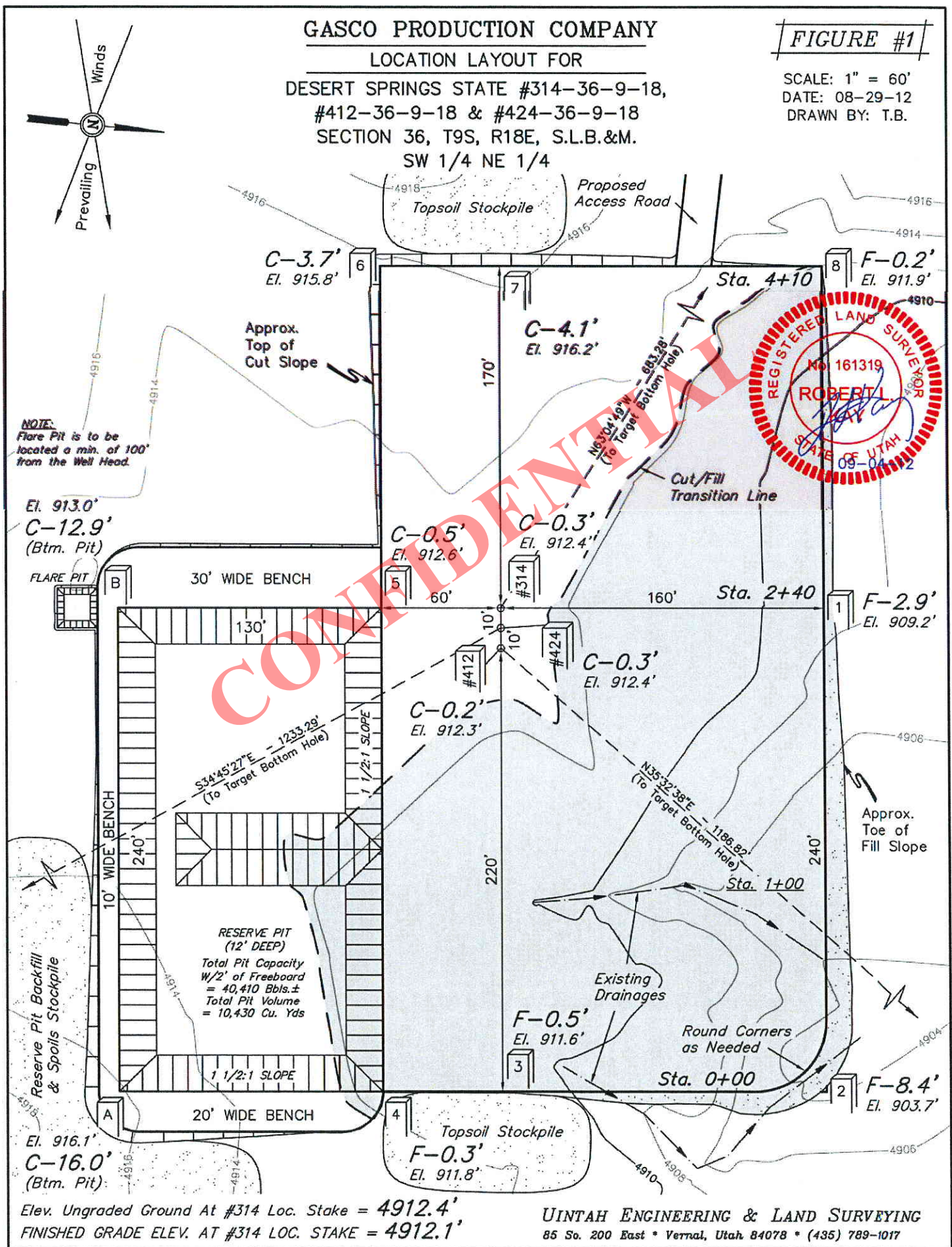
trogers@gascoenergy.com

E-mail

GASCO PRODUCTION COMPANY
LOCATION LAYOUT FOR
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

FIGURE #1

SCALE: 1" = 60'
 DATE: 08-29-12
 DRAWN BY: T.B.



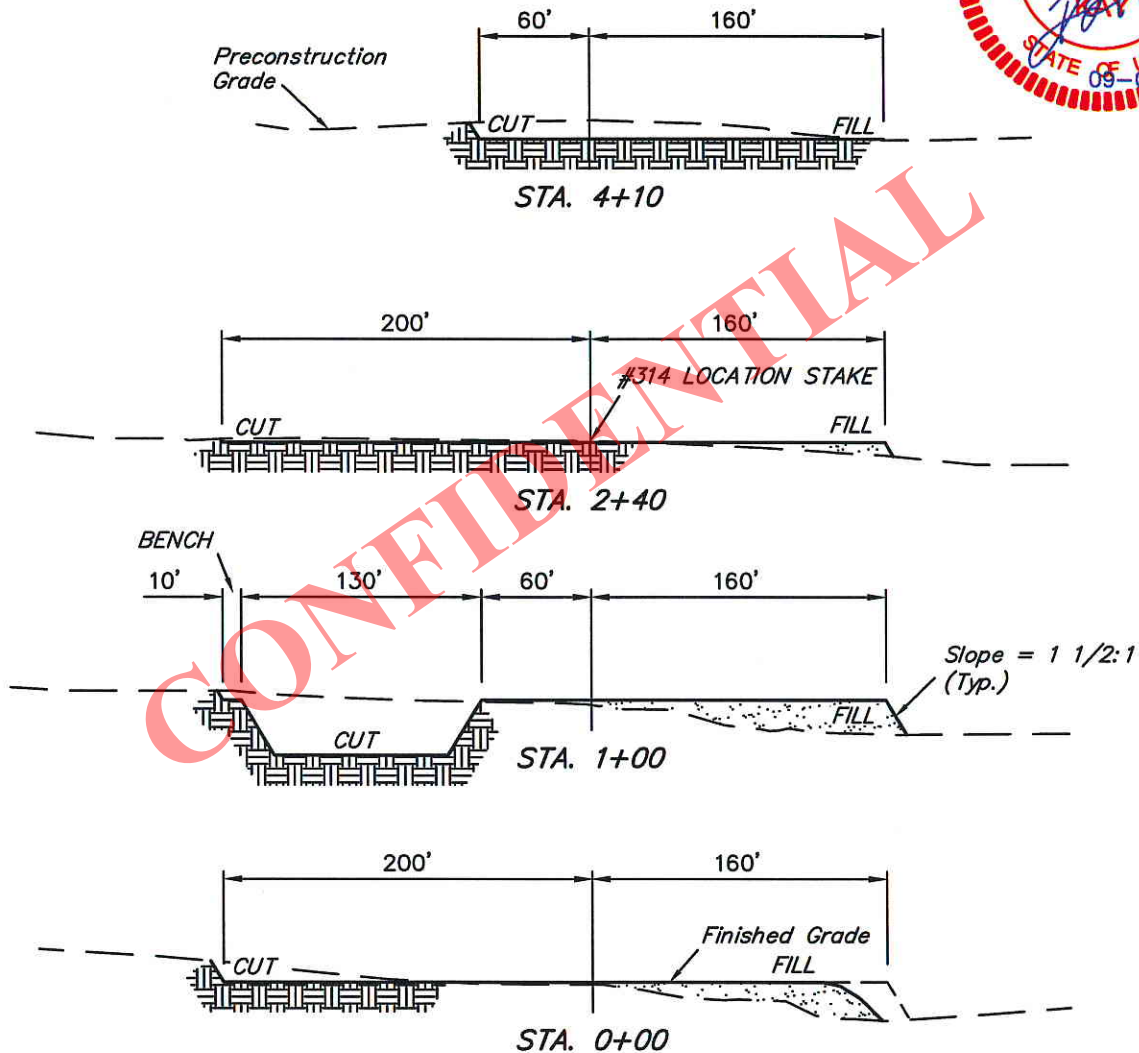
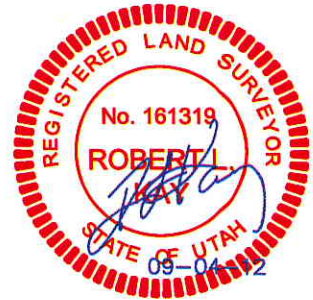
1" = 40'
X-Section
Scale
1" = 100'

DATE: 08-29-12
DRAWN BY: T.B.

GASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

FIGURE #2



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 3.742 ACRES
ACCESS ROAD DISTURBANCE = ± 0.189 ACRES
PIPELINE DISTURBANCE = ± 0.209 ACRES
TOTAL = ± 4.140 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,550 Cu. Yds.
Remaining Location = 12,210 Cu. Yds.
TOTAL CUT = **14,760 CU. YDS.**
FILL = **6,990 CU. YDS.**

EXCESS MATERIAL = 7,770 Cu. Yds.
Topsoil & Pit Backfill = 7,770 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

GASCO PRODUCTION COMPANY

TYPICAL RIG LAYOUT FOR

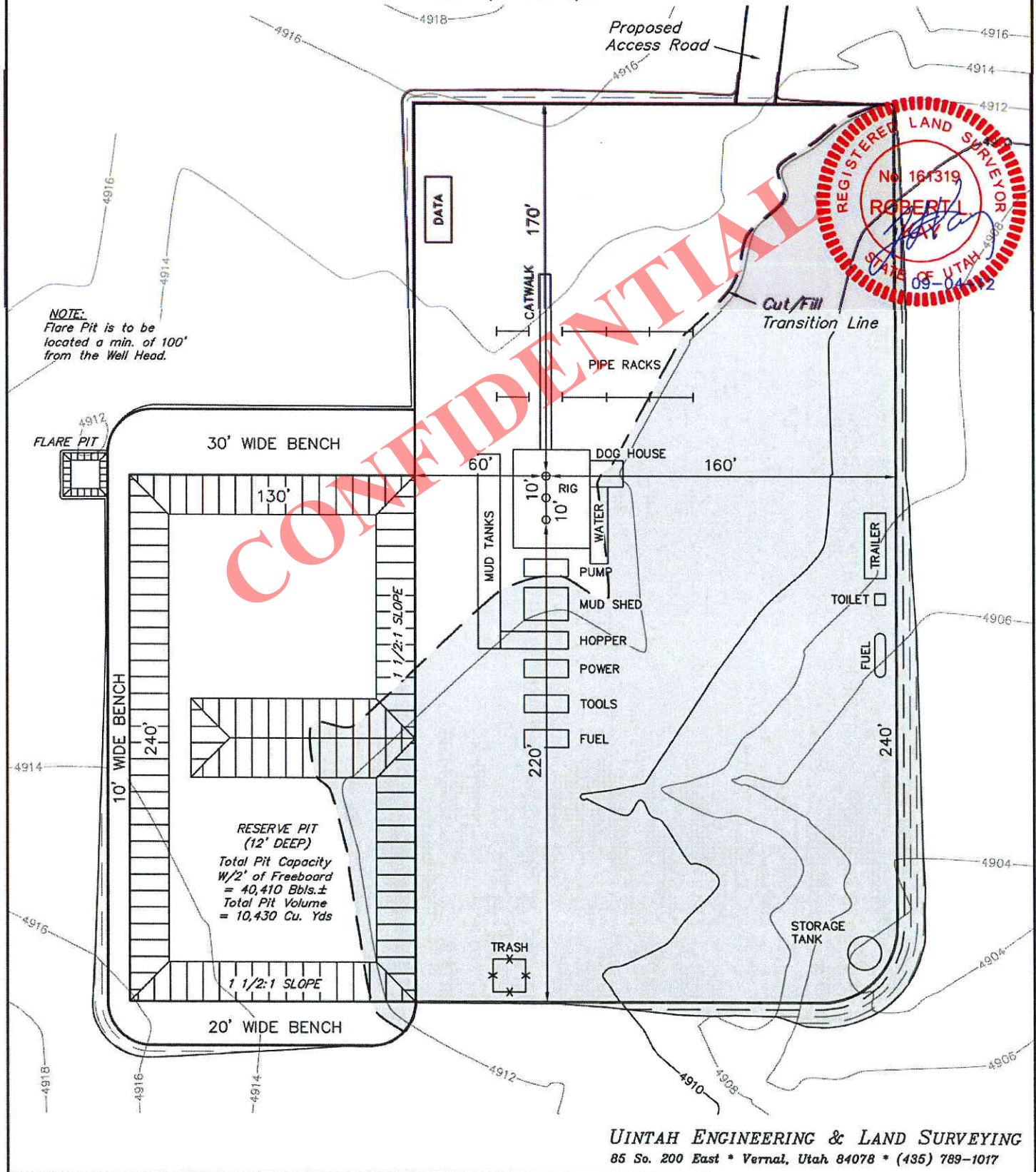
DESERT SPRINGS STATE #314-36-9-18,
#412-36-9-18 & #424-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
SW 1/4 NE 1/4

FIGURE #3

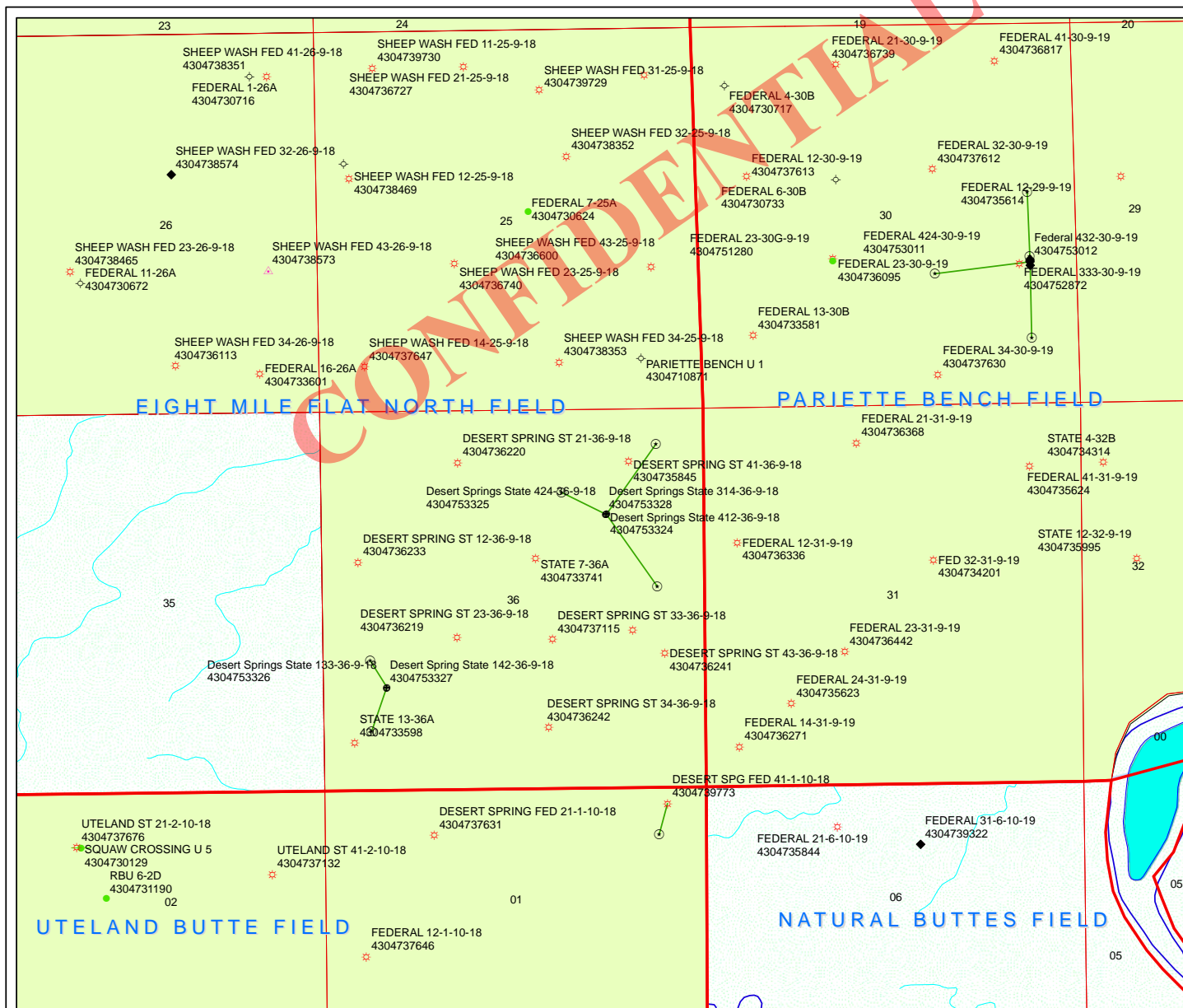
SCALE: 1" = 60'

DATE: 08-29-12

DRAWN BY: T.B.

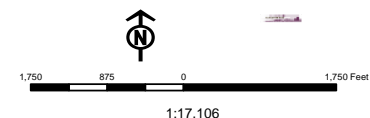
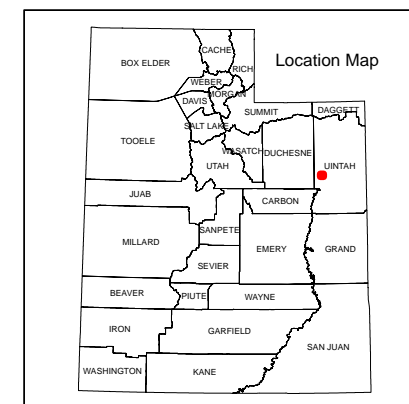


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



API Number: 4304753328
Well Name: Desert Springs State 314-36-9-18
Township T09.0S Range R18.0E Section 36
Meridian: SLBM
Operator: GASCO PRODUCTION COMPANY
Map Prepared:
Map Produced by Diana Mason

Units	Status	Wells Query	Status
ACTIVE	APD - Approved Permit	LOC - New Location	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)	OPS - Operation Suspended	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection	PA - Plugged Abandoned	GIW - Gas Injection
NF PP OIL	GS - Gas Storage	PGW - Producing Gas Well	GS - Gas Storage
NF SECONDARY	LOC - New Location	SGW - Shut-in Gas Well	LOC - New Location
PI OIL	OPS - Operation Suspended	SOW - Shut-in Oil Well	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned	TA - Temp. Abandoned	PP GAS
PP GEOTHERM.	PGW - Producing Gas Well	TW - Test Well	PP GEOTHERM.
PP OIL	SGW - Shut-in Gas Well	WDW - Water Disposal	PP OIL
SECONDARY	SOW - Shut-in Oil Well	WWI - Water Injection Well	SECONDARY
TERMINATED	TA - Temp. Abandoned	WSW - Water Supply Well	TERMINATED
Unknown	TW - Test Well	Bottom Hole Location - Oil/Gas/Dls	Unknown
ABANDONED	WDW - Water Disposal		ABANDONED
ACTIVE	WWI - Water Injection Well		ACTIVE
COMBINED	WSW - Water Supply Well		COMBINED
INACTIVE			INACTIVE
STORAGE			STORAGE
TERMINATED			TERMINATED





December 5, 2012

State of Utah Division Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

**RE: Exception Location Request
Desert Springs State 314-36-9-18
1464 FNL, 1371 FEL (surface) 1155 FNL, 1980 FEL (bottomhole)
Township 9 South, Range 18 East, SLM
Section 36: NW¼NE¼
Uintah County, Utah**

To Whom It May Concern:

Pursuant to Rule 649-3-11 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") requests an exception to this location. The DSS 314-36-9-18 will be directionally drilled to minimize surface disturbance and impacts by using one surface location for multiple wells. Additionally Gasco is the owner of the oil and gas lease and the sole working interest owner within the 460' for the entire directional well bore.

Sincerely,

A handwritten signature in blue ink, appearing to read "Roger Knight".

Roger Knight
EHS Supervisor

Gasco Production Company
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com



Mail

Inbox (24)

Starred

Important

Sent Mail

Drafts (2)

BLM (54)

Cabinet

Electronic filing

Eng. Tech

Follow up

Misc

Priority

Tariq

More

ESPN.com - [Mavericks owner says 'Bank of Cuban' is open](#) - 8 hours ago

Web Clip

Gasco Approvals

Inbox x



Jeff Conley

Jan 11 (4 days ago) ★

to me, Brad, rknight, Jim, Lavonne

Hello,

The following wells have been cleared for both arch and paleo by SITLA:

Gasco's Desert Springs State 424-36-9-18 [API #[4304753325](#)] (U-12-MQ-1039s)

Gasco's Desert Springs State 412-36-9-18 [API #[4304753324](#)] (U-12-MQ-1039s)

Gasco's Desert Springs State 314-36-9-18 [API #[4304753328](#)] (U-12-MQ-1039s)

Thank you,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
[801-538-5157](tel:801-538-5157)
Reply Forward



Click here to [Reply](#), [Reply to all](#), or [Forward](#)

dianawhitney@utah.gov

14 of 77

More

People (5)

Jeff Conley

TRUST LANDS RESOURCE SP...

[Show details](#)

CONFIDENTIAL

Well Name	GASCO PRODUCTION COMPANY Desert Springs State 314-36-9-18			
String	COND	SURF	PROD	
Casing Size(")	13.375	9.625	4.500	
Setting Depth (TVD)	60	3400	12700	
Previous Shoe Setting Depth (TVD)	0	60	3400	
Max Mud Weight (ppg)	8.3	8.3	11.6	
BOPE Proposed (psi)	0	1000	5000	
Casing Internal Yield (psi)	1000	3520	12410	
Operators Max Anticipated Pressure (psi)	7655		11.6	

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO <input type="text" value="air/mist system"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO <input type="text" value=""/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO <input type="text" value=""/>
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

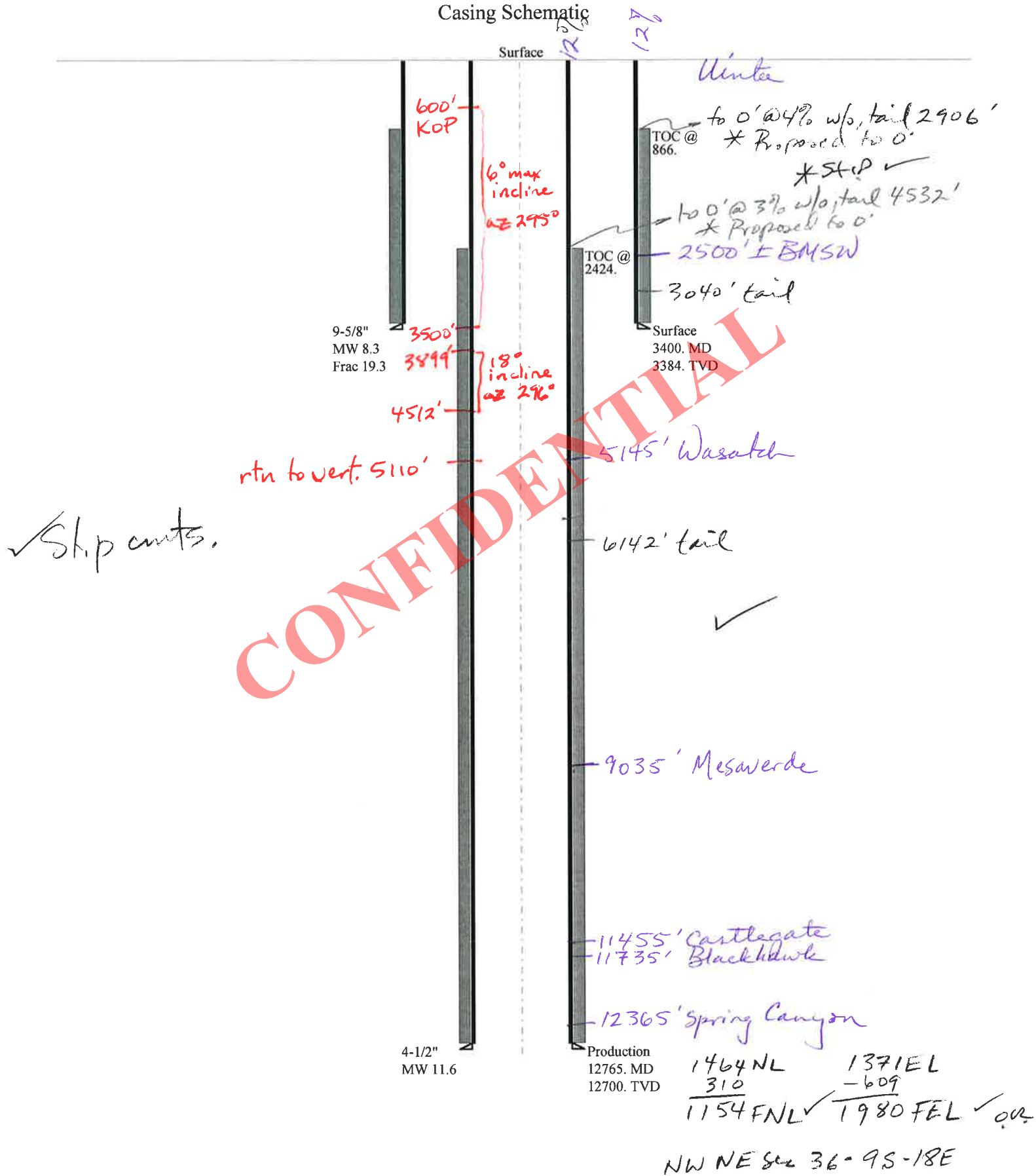
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1467	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1059	NO <input type="text" value="air/mist system"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	719	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	732	NO <input type="text" value="OK"/>
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	7661	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6137	NO <input type="text" value="WBM"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4867	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5615	NO <input type="text" value="OK"/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3400	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text" value=""/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text" value=""/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text" value=""/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047533280000 Desert Springs State 314-36-9-18

Casing Schematic



Well name:	43047533280000 Desert Springs State 314-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53328
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 866 ft

Burst

Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,384 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,982 ft

Directional well information:

Kick-off point 300 ft
Departure at shoe: 308 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 6 °

Re subsequent strings:

Next setting depth: 12,700 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,653 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	9.625	36.00	J-55	LT&C	3384	3400	8.796	27802

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1459	2020	1.384	3384	3520	1.04	106.9	453	4.24 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3384 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43047533280000 Desert Springs State 314-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Production	Project ID: 43-047-53328
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 252 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,424 ft

Burst

Max anticipated surface pressure: 4,859 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,653 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,591 ft

Directional well information:

Kick-off point 300 ft
Departure at shoe: 684 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12765	4.5	13.50	HCP-110	LT&C	12700	12765	3.795	71527

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7653	10680	1.396	7653	12410	1.62	171.4	338	1.97 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12700 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator GASCO PRODUCTION COMPANY
Well Name Desert Springs State 314-36-9-18
API Number 43047533280000 **APD No** 7152 **Field/Unit** 8 MILE FLAT NORTH
Location: 1/4,1/4 SWNE **Sec** 36 **Tw** 9.0S **Rng** 18.0E 1464 FNL 1371 FEL
GPS Coord (UTM) 599253 4427364 **Surface Owner**

Participants

Sam LaRue (environmental consultant), McCoy Anderson (surveyor), Jesse Duncan (Gasco), Jeff Conley (SITLA)

Regional/Local Setting & Topography

This proposed well sits to the east of the Monarch Desert Springs water disposal ponds, and just over a mile west of the Green River. Myton, UT is approximately 25 miles to the North West. The proposed site slopes gently north away from a large draw which lies to the south of the location.

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.05	Width 220 Length 410	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Prickly pear, grasses, small sage, spiny hopsage
Pronghorn habitat

Soil Type and Characteristics

Clay loam soil with fractured shale scattered on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? N

Erosion Sedimentation Control Required? N**Paleo Survey Run? Y Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		45 1 Sensitivity Level

Characteristics / Requirements

The proposed reserve pit dimensions are 240ft x 13ft x 12ft deep. A 20 mil liner will be required because the pit will be used for 3 wells. The reserve pit is proposed in a cut stable location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y**Other Observations / Comments**

This is a 3 well pad occupied by 43-047-53324, 53328, and 53325

Richard Powell
Evaluator

12/5/2012
Date / Time

Application for Permit to Drill Statement of Basis Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7152	43047533280000	LOCKED	GW	S	No
Operator	GASCO PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Desert Springs State 314-36-9-18		Unit		
Field	8 MILE FLAT NORTH		Type of Work	DRILL	
Location	SWNE 36 9S 18E S 1464 FNL 1371 FEL GPS Coord (UTM) 599278E 4427358N				

Geologic Statement of Basis

Gasco proposes to set 60' of conductor and 3,400' of surface casing at this location. Conductor and surface holes will be drilled with an air mist system and both will be cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect ground water in this area.

Brad Hill
APD Evaluator

12/18/2012
Date / Time

Surface Statement of Basis

This proposed well is on SITLA surface with SITLA minerals. SITLA representative Jeff Conley was present for the onsite and stated that he has no concerns with this site. DWR representative Ben Williams was invited but unable to attend the onsite. Mr. Williams stated that this is yearlong pronghorn habitat but made no recommendations regarding this site. This is a flat stable location and appears to be a good site for placement of this well. A 20 mil liner was agreed to based on the fact that 3 wells will be drilled here and the pit will be subject to a longer use period than a single well pad. There do not appear to be any drainage diversions needed for this well site.

Richard Powell
Onsite Evaluator

12/5/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/16/2012

API NO. ASSIGNED: 43047533280000

WELL NAME: Desert Springs State 314-36-9-18

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: SWNE 36 090S 180E

Permit Tech Review: ☒

SURFACE: 1464 FNL 1371 FEL

Engineering Review: ☒

BOTTOM: 1155 FNL 1980 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 39.99057

LONGITUDE: -109.83712

UTM SURF EASTINGS: 599278.00

NORTHINGS: 4427358.00

FIELD NAME: 8 MILE FLAT NORTH

LEASE TYPE: 3 - State

LEASE NUMBER: ML45171

PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: - K08792707
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 41-3530
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit:
- ☐ R649-3-2. General
- ☒ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
15 - Directional - dmason
23 - Spacing - dmason
25 - Surface Casing - hmadonald

RECEIVED: March 12, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Desert Springs State 314-36-9-18
API Well Number: 43047533280000
Lease Number: ML45171
Surface Owner: STATE
Approval Date: 3/12/2013

Issued to:

GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon

as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3000' minimum.

Surface casing shall be cemented to the surface.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 314-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco proposes the following changes to the approved casing program: Surface Casing Hole size: 11.0" Csg size: 8.625" Length: 0-3400' Weight: 32# Grade & thread: J-55 LT&C Max Mud Weight: 8.3 Production Casing Hole Size: 7.875" Csg Size: 4.5" Length: 0-12893' Weight: 13.5# Grade & thread: HCP-110 LT&C Max Mud Weight: 11.6		
Approved by the Utah Division of Oil, Gas and Mining Date: December 11, 2013 By: <u><i>Derek Duff</i></u>		
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 11/26/2013		

Well name:	43047533280000 Desert Springs State 314-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53328
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top:

270 ft @ 12% w/o

to surf @ 9% w/o, tail 2956'

Burst

Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,384 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,981 ft

Directional Info - Build & Hold

Kick-off point 300 ft
Departure at shoe: 308 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 6 °

Re subsequent strings:

Next setting depth: 12,828 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,730 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	8.625	32.00	J-55	LT&C	3384	3400	7.875	27399

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1459	2530	1.734 ✓	3384	3930	1.16 ✓	94.9	417	4.39 J ✓

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: December 10, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3384 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047533280000 Desert Springs State 314-36-9-18		
Operator:	GASCO PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-53328
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 254 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface ✓

Burst

Max anticipated surface pressure: 4,908 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,730 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,697 ft

Directional Info - Build & Hold

Kick-off point 300 ft
Departure at shoe: 684 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12893	4.5	13.50	HCP-110	LT&C	12828	12893	3.795	72245

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7730	10680	1.382	7730	12410	1.61	173.2	338	1.95 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: December 10, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12828 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 314-36-9-18			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000			
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
<p style="color: red; margin: 0;"> Approved by the Utah Division of Oil, Gas and Mining </p> <p style="color: red; margin: 0;"> Date: March 13, 2014 </p> <p style="color: red; margin: 0;"> By: </p>					
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805			
SIGNATURE N/A		TITLE Regulatory Analyst			
DATE 3/13/2014					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047533280000

API: 43047533280000

Well Name: Desert Springs State 314-36-9-18

Location: 1464 FNL 1371 FEL QTR SWNE SEC 36 TWNP 090S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/12/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Jessica Berg

Date: 3/13/2014

Title: Regulatory Analyst Representing: GASCO PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/7/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco proposes the following change to the drilling fluids program-
 Conductor and surface csg are to be drilled with a mud and water
 system, not an air myst system as stated in the APD.

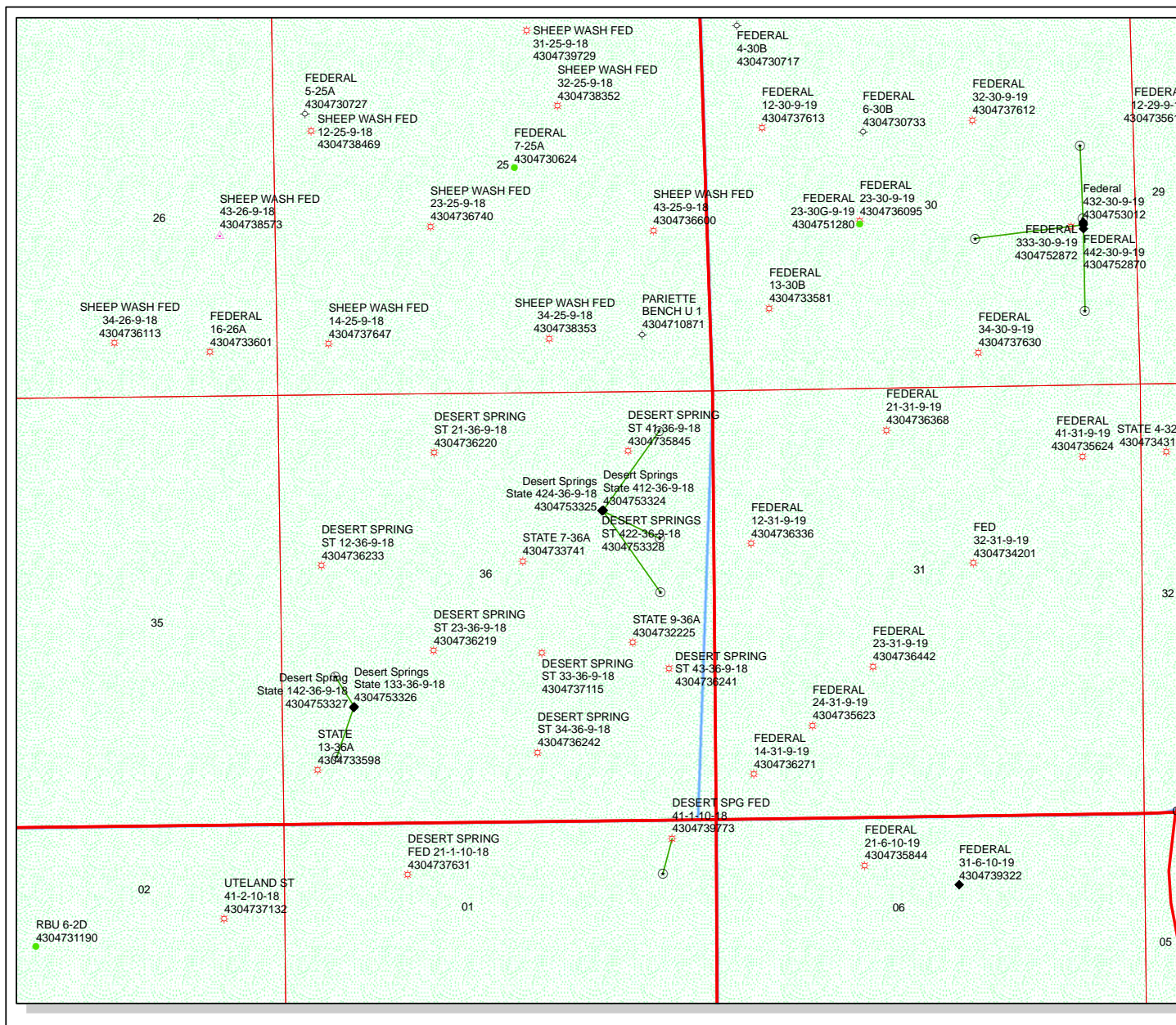
**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: April 07, 2014

By: *Derek Duff*

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/4/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
OTHER: Change BHL, Request for ex		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco requests a change in well name to the Desert Spring State 422-36-9-18 and a change in bottom hole location from what was previously permitted to 1815 FNL & 660 FEL. A new plat has been submitted, as well as a new directional drilling plan. No changes were made to TD or the original permitted drilling or surface use plan. Please see the attached exception location request with accompanying letters of agreement from all applicable parties within any portion of the 460-foot radius along the projected wellbore.		
<div style="text-align: center;"> Approved by the Utah Division of Oil, Gas and Mining </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> Date: April 09, 2014 By: </div> </div>		
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 3/29/2014		



API Number: 4304753328

Well Name: DESERT SPRINGS ST 422-36-9-18

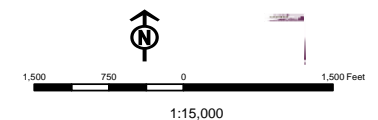
Township: T09.0S Range: R18.0E Section: 36 Meridian: S

Operator: GASCO PRODUCTION COMPANY

Map Prepared: 4/9/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GIW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERMAL	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WDW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



T9S, R18E, S.L.B.&M.**GASCO PRODUCTION COMPANY**

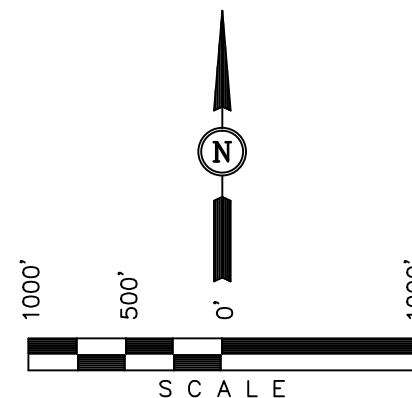
Well location, DESERT SPRINGS STATE
 #422-36-9-18, located as shown in the SW 1/4
 NE 1/4 of Section 36, T9S, R18E, S.L.B.&M.,
 Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14,
 T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM
 QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP)
 PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE
 INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS
 BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**CERTIFICATE**

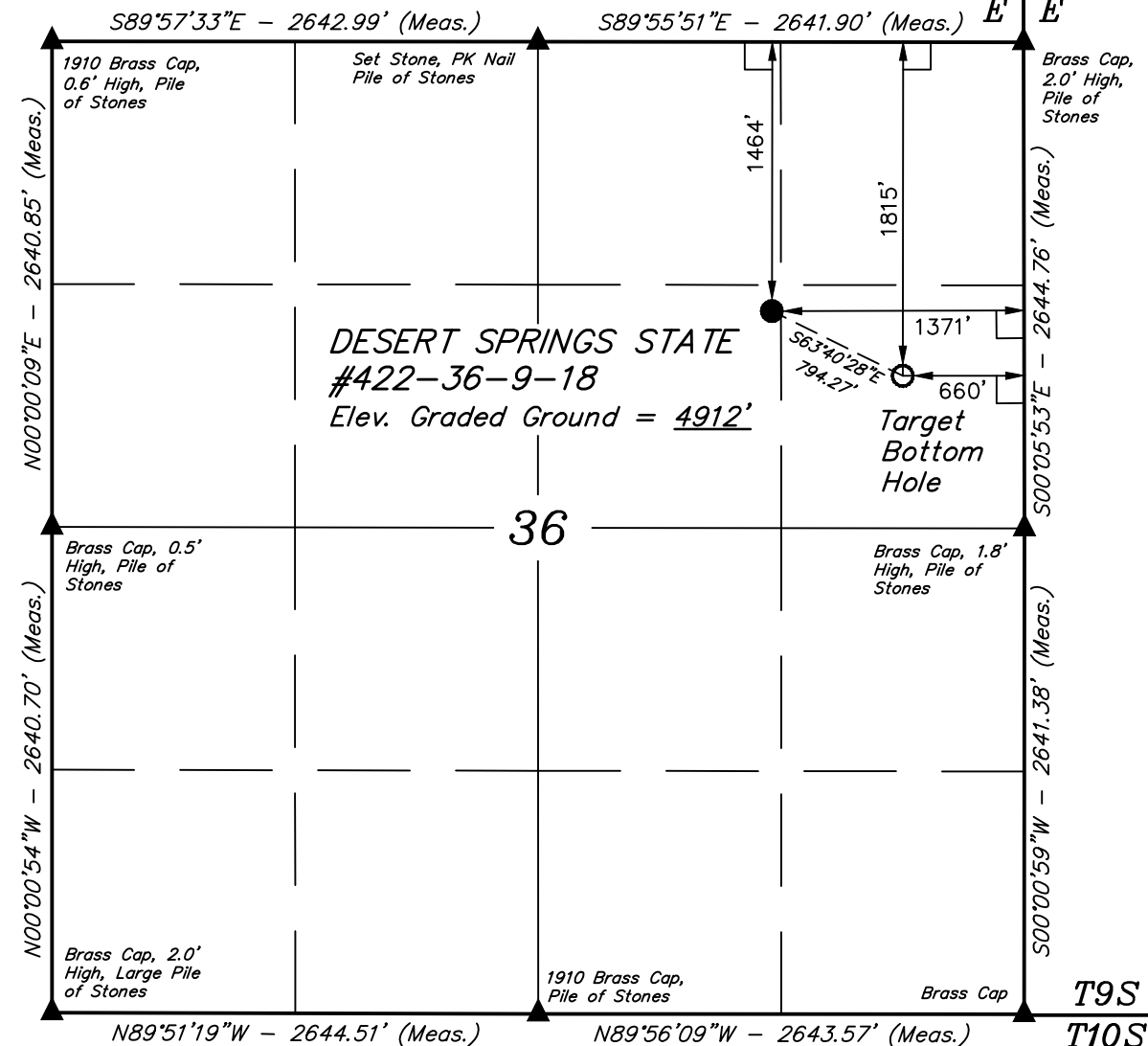
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

REV: 02-27-14 S.S.
 REV: 01-23-14 M.L.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-27-12	DATE DRAWN: 08-28-12
PARTY J.F. D.D. T.B.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE GASCO PRODUCTION COMPANY	

**LEGEND:**

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°59'22.75" (39.989653)	LATITUDE = 39°59'26.23" (39.990619)
LONGITUDE = 109°50'05.66" (109.834906)	LONGITUDE = 109°50'14.80" (109.837444)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°59'22.88" (39.989689)	LATITUDE = 39°59'26.36" (39.990656)
LONGITUDE = 109°50'03.14" (109.834206)	LONGITUDE = 109°50'12.28" (109.836744)

RECEIVED: Mar. 29, 2014

Gasco Energy

Uintah Co., UT

Sec.36 - T9S - R18E

Desert Springs State #422-36-9-18

Wellbore #1

Plan: Design #3

Standard Survey Report

05 March, 2014

Gyrodata, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Project	Uintah Co., UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec.36 - T9S - R18E		
Site Position:		Northing:	607,975.56 usft
From:	Lat/Long	Easting:	2,465,996.24 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39° 59' 26.370 N
		Longitude:	109° 50' 12.150 W
		Grid Convergence:	1.07 °

Well	Desert Springs State #422-36-9-18		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	39° 59' 26.360 N
		Longitude:	109° 50' 12.280 W
		Ground Level:	4,912.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	3/3/2014	10.87
			Dip Angle
			(°)
			65.73
			Field Strength
			(nT)
			52,008

Design	Design #3		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			116.33

Survey Tool Program	Date	3/5/2014		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.0	12,939.8	Design #3 (Wellbore #1)	MWD	MWD - Standard

Planned Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
60.0	0.00	0.00	60.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8"									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00

Gyrodata, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 3.00									
3,600.0	3.00	116.33	3,600.0	-1.2	2.3	2.6	3.00	3.00	0.00
3,700.0	6.00	116.33	3,699.6	-4.6	9.4	10.5	3.00	3.00	0.00
3,800.0	9.00	116.33	3,798.8	-10.4	21.1	23.5	3.00	3.00	0.00
3,900.0	12.00	116.33	3,897.1	-18.5	37.4	41.7	3.00	3.00	0.00
4,000.0	15.00	116.33	3,994.3	-28.9	58.3	65.1	3.00	3.00	0.00
4,100.0	18.00	116.33	4,090.2	-41.5	83.8	93.5	3.00	3.00	0.00
4,200.0	21.00	116.33	4,184.4	-56.3	113.7	126.9	3.00	3.00	0.00
4,300.0	24.00	116.33	4,276.8	-73.2	148.0	165.1	3.00	3.00	0.00
4,400.0	27.00	116.33	4,367.1	-92.3	186.6	208.2	3.00	3.00	0.00
4,500.0	30.00	116.33	4,454.9	-113.5	229.3	255.9	3.00	3.00	0.00
4,600.0	33.00	116.33	4,540.2	-136.7	276.1	308.1	3.00	3.00	0.00
4,666.7	35.00	116.33	4,595.5	-153.2	309.6	345.4	3.00	3.00	0.00
Start 178.9 hold at 4666.7 MD									
4,700.0	35.00	116.33	4,622.8	-161.7	326.7	364.5	0.00	0.00	0.00

Gyrodatta, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	35.00	116.33	4,704.7	-187.1	378.1	421.9	0.00	0.00	0.00
4,845.6	35.00	116.33	4,742.0	-198.7	401.5	448.0	0.00	0.00	0.00
Start Drop -3.00									
4,900.0	33.37	116.33	4,787.0	-212.3	428.9	478.6	3.00	-3.00	0.00
5,000.0	30.37	116.33	4,871.9	-235.7	476.2	531.4	3.00	-3.00	0.00
5,100.0	27.37	116.33	4,959.5	-257.1	519.5	579.6	3.00	-3.00	0.00
5,200.0	24.37	116.33	5,049.5	-276.5	558.6	623.3	3.00	-3.00	0.00
5,300.0	21.37	116.33	5,141.6	-293.7	593.4	662.1	3.00	-3.00	0.00
5,303.6	21.26	116.33	5,145.0	-294.3	594.6	663.4	3.00	-3.00	0.00
Wasatch									
5,400.0	18.37	116.33	5,235.6	-308.8	623.9	696.1	3.00	-3.00	0.00
5,500.0	15.37	116.33	5,331.3	-321.7	649.9	725.1	3.00	-3.00	0.00
5,600.0	12.37	116.33	5,428.4	-332.3	671.3	749.1	3.00	-3.00	0.00
5,700.0	9.37	116.33	5,526.6	-340.6	688.2	767.9	3.00	-3.00	0.00
5,800.0	6.37	116.33	5,625.7	-346.7	700.5	781.6	3.00	-3.00	0.00
5,900.0	3.37	116.33	5,725.3	-350.5	708.1	790.1	3.00	-3.00	0.00
6,000.0	0.37	116.33	5,825.2	-351.9	711.0	793.4	3.00	-3.00	0.00
6,012.2	0.00	0.00	5,837.4	-351.9	711.1	793.4	3.00	-3.00	0.00
Start 6927.6 hold at 6012.2 MD									
6,100.0	0.00	0.00	5,925.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,025.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,125.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,225.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,325.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,425.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,525.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,625.2	-351.9	711.1	793.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,725.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,825.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,100.0	0.00	0.00	6,925.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,025.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,125.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,225.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,325.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,425.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,525.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,625.2	-351.9	711.1	793.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,725.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,825.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,100.0	0.00	0.00	7,925.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,025.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,125.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,225.2	-351.9	711.1	793.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,325.2	-351.9	711.1	793.4	0.00	0.00	0.00

Gyrodatta, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,600.0	0.00	0.00	8,425.2	-351.9	711.1	793.4	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,525.2	-351.9	711.1	793.4	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,625.2	-351.9	711.1	793.4	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,725.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,825.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,925.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,025.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,209.8	0.00	0.00	9,035.0	-351.9	711.1	793.4	0.00	0.00	0.00	
Mesaverde										
9,300.0	0.00	0.00	9,125.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,225.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,325.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,425.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,525.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,625.2	-351.9	711.1	793.4	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,725.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,825.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,925.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,025.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,125.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,225.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,325.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,425.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,525.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,625.2	-351.9	711.1	793.4	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,725.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,825.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,100.0	0.00	0.00	10,925.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,025.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,125.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,225.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,325.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,425.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,629.8	0.00	0.00	11,455.0	-351.9	711.1	793.4	0.00	0.00	0.00	
Castlegate										
11,700.0	0.00	0.00	11,525.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,625.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,725.2	-351.9	711.1	793.4	0.00	0.00	0.00	
11,909.8	0.00	0.00	11,735.0	-351.9	711.1	793.4	0.00	0.00	0.00	
Blackhawk										
12,000.0	0.00	0.00	11,825.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,100.0	0.00	0.00	11,925.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,200.0	0.00	0.00	12,025.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,300.0	0.00	0.00	12,125.2	-351.9	711.1	793.4	0.00	0.00	0.00	

Gyrodata, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,400.0	0.00	0.00	12,225.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,500.0	0.00	0.00	12,325.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,539.8	0.00	0.00	12,365.0	-351.9	711.1	793.4	0.00	0.00	0.00	
Spring Canyon										
12,600.0	0.00	0.00	12,425.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,700.0	0.00	0.00	12,525.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,800.0	0.00	0.00	12,625.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,900.0	0.00	0.00	12,725.2	-351.9	711.1	793.4	0.00	0.00	0.00	
12,939.8	0.00	0.00	12,765.0	-351.9	711.1	793.4	0.00	0.00	0.00	
TD at 12939.8 - TD										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
PBHL DSS 422-36-9-18	0.00	0.00	12,765.0	-352.1	711.4	607,635.56	2,466,703.92	39° 59' 22.880 N		109° 50' 3.140 W
- plan misses target center by 0.3usft at 12939.8usft MD (12765.0 TVD, -351.9 N, 711.1 E)										
- Point										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
60.0	60.0	13 3/8"		13-3/8	17-1/2
3,400.0	3,400.0	9 5/8"		9-5/8	12-1/4

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,303.6	5,145.0	Wasatch		0.00		
9,209.8	9,035.0	Mesaverde		0.00		
11,629.8	11,455.0	Castlegate		0.00		
11,909.8	11,735.0	Blackhawk		0.00		
12,539.8	12,365.0	Spring Canyon		0.00		
12,939.8	12,765.0	TD		0.00		

Gyrodata, Inc.

Survey Report

Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah Co., UT	TVD Reference:	RKB @ 4937.0usft
Site:	Sec.36 - T9S - R18E	MD Reference:	RKB @ 4937.0usft
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #3	Database:	EDM 5000.1 Single User Db

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3500	3500	0	0	Start Build 3.00
4667	4595	-153	310	Start 178.9 hold at 4666.7 MD
4846	4742	-199	402	Start Drop -3.00
6012	5837	-352	711	Start 6927.6 hold at 6012.2 MD
12,940	12,765	-352	711	TD at 12939.8

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



March 26, 2014

Department of Natural Resources
Utah Division of Oil Gas and Mining
1594 West North Temple, Suite #1210
Salt Lake City, Utah 84116

RE: Directional Drilling Exception Location Request
Gasco Production Company
Desert Springs State 422-36-9-18
SHL: 1,464' FNL / 1,371' FEL (SWNE)
BHL: 1,815' FNL / 660' FEL (SENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

Pursuant to the filing of the filing of the Gasco Production Company ("Gasco") Utah Division of Oil Gas and Mining ("UDOGM") Application for Permit to Drill ("APD") for the Desert Springs State 422-36-9-18, Gasco hereby requests an exception to the UDOGM Rule R649-11 and R469-12 as amended under Docket No. 2012-011 and Cause 173-26 which states "... in the absence of a specific Board order otherwise addressing such directional drilling. The elimination of any offset limitations as between wells within each leasehold in the Subject Lands and the suspension of Utah Admin. Code Rules R649-10 and R649-12 (1) and (2), with the proviso that no well may be directionally drilled in any portion of a 460-foot radius along the projected wellbore intersects with a boundary of a lease without the approval of the Division or Board in accordance with Utah Admin. Code Rules R649-10 and R649-11 (1) and (2), is just and reasonable under the circumstances." Please find enclosed a copy of the Findings of Fact, Conclusions of Law and Order for Docket No. 2012-011 and Cause 173-26 for your reference.

Gasco Production Company and Wapiti Oil and Gas II, L.L.C. control 100% of the leasehold in the spaced zones and formations; please find enclosed a copy of Wapiti Oil and Gas II, L.L.C. and First Griffin Group L.L.C.'s consent to directionally drill the above referenced well. The State of Utah is the mineral interest owner on State Oil and Gas Lease ML-45171. In order to maximize recovery of the Wasatch formation and Mesaverde Group reservoir on the leasehold pursuant to the ten (10) acre density pattern set forth in the above mentioned Docket No. and Cause No., it is the belief that drilling at this surface location is necessary as an exception location to the amended Utah Admin. Code Rules R649-10 and R649-11 (1) and (2) to prudently

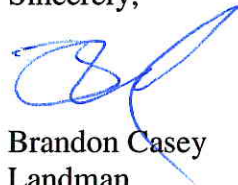
and thoroughly develop the reservoir. By locating the well at this surface location and directionally drilling, Gasco will be able to utilize existing roads, pipelines, and infrastructure in the area with minimal surface disturbance in accordance with the Gasco Environmental Impact Study cover this area, while producing the well in the most efficient manner for optimal resource recovery.

The producing interval of the above referenced well will only be located vertical from the permitted bottom hole location.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,



Brandon Casey
Landman
cc: enclosures



March 6, 2014

Wapiti Oil & Gas II, L.L.C.
800 Gessner, Suite #700
Houston, TX 77024

RE: Directional Drilling Exception Location Consent Request
Gasco Production Company
Desert Springs State 422-36-9-18
SHL: 1,464' FNL / 1,371' FEL (SWNE)
BHL: 1,815' FNL / 660' FEL (SENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

Pursuant to the filing of Gasco Production Company ("Gasco"), Utah Division of Oil Gas and Mining (UDOGM") Application for Permit to Drill ("APD") for the Desert Springs State 422-36-9-18, Gasco hereby requests an exception to UDOGM Rule R649-11 and R469-12 as amended under Docket No. 2012-011 and Cause 173-26 which states "... in the absence of a specific Board order otherwise addressing such directional drilling. The elimination of any offset limitations as between wells within each leasehold in the Subject Lands and the suspension of Utah Admin. Code Rules R649-10 and R649-12 (1) and (2), with the proviso that no well may be directionally drilled in any portion of a 460-foot radius along the projected wellbore intersects with a boundary of a lease without the approval of the Division or Board in accordance with Utah Admin. Code Rules R649-10 and R649-11 (1) and (2), is just and reasonable under the circumstances." Please find enclosed a copy of the Findings of Fact, Conclusions of Law and Order for Docket No. 2012-011 and Cause 173-26 for your reference.

The projected wellbore encroaches within a 460 foot radius of acreage within the above referenced oil and gas leases that are partially owned by you.

In order to maximize recovery of the Wasatch formation and Mesaverde Group reservoir on the leasehold pursuant to the ten (10) acre density pattern set forth in the above mentioned Docket No. and Cause No., it is the belief that drilling at this surface location is necessary as an exception location to the amended Utah Admin. Code Rules R649-10 and R649-11 (1) and (2) to prudently and thoroughly develop the reservoir. By locating the well at this surface location and directionally drilling, Gasco will be able to utilize existing roads, pipelines and infrastructure in the area with minimal surface disturbance in accordance with the Gasco Environmental Impact

Study covering this area, while producing the well in the most efficient manner for optimal resource recovery.

The producing interval of the above referenced well will only be located vertical from the permitted bottom hole location. Please find enclosed a copy of the survey plat showing both the surface hole location and bottom hole location for your reference.

If this meets with your approval, please so indicate by executing, dating, and returning one (1) original copy of this letter in the enclosed self-addressed stamped envelope.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,



Brandon Casey
Landman

cc: enclosures

Agreed and accepted this 6th day of March, 2014.

WAPITI OIL & GAS II, L.L.C.



By: W. Hollis Bairington

Title: V.P. Rockies



March 6, 2014

First Griffin Group, LLC
621 South Plymouth Court, FL 1
Chicago, IL 60605
Attn: Shawne Malone

RE: Directional Drilling Exception Location Consent Request
Gasco Production Company
Desert Springs State 422-36-9-18
SHL: 1,464' FNL / 1,371' FEL (SWNE)
BHL: 1,815' FNL / 660' FEL (SENE)
Section 36 – Township 9 South, Range 18 East, SLBM
Uintah County, Utah
State Mineral Lease at SHL and BHL: ML-45171

To Whom It May Concern,

Pursuant to the filing of Gasco Production Company ("Gasco"), Utah Division of Oil Gas and Mining (UDOGM") Application for Permit to Drill ("APD") for the Desert Springs State 422-36-9-18, Gasco hereby requests an exception to UDOGM Rule R649-11 and R469-12 as amended under Docket No. 2012-011 and Cause 173-26 which states "... in the absence of a specific Board order otherwise addressing such directional drilling. The elimination of any offset limitations as between wells within each leasehold in the Subject Lands and the suspension of Utah Admin. Code Rules R649-10 and R649-12 (1) and (2), with the proviso that no well may be directionally drilled in any portion of a 460-foot radius along the projected wellbore intersects with a boundary of a lease without the approval of the Division or Board in accordance with Utah Admin. Code Rules R649-10 and R649-11 (1) and (2), is just and reasonable under the circumstances." Please find enclosed a copy of the Findings of Fact, Conclusions of Law and Order for Docket No. 2012-011 and Cause 173-26 for your reference.

The projected wellbore encroaches within a 460 foot radius of acreage within the above referenced oil and gas leases that are partially owned by you.

In order to maximize recovery of the Wasatch formation and Mesaverde Group reservoir on the leasehold pursuant to the ten (10) acre density pattern set forth in the above mentioned Docket No. and Cause No., it is the belief that drilling at this surface location is necessary as an exception location to the amended Utah Admin. Code Rules R649-10 and R649-11 (1) and (2) to prudently and thoroughly develop the reservoir. By locating the well at this surface location and directionally drilling, Gasco will be able to utilize existing roads, pipelines and infrastructure in

the area with minimal surface disturbance in accordance with the Gasco Environmental Impact Study covering this area, while producing the well in the most efficient manner for optimal resource recovery.

The producing interval of the above referenced well will only be located vertical from the permitted bottom hole location. Please find enclosed a copy of the survey plat showing both the surface hole location and bottom hole location for your reference.

If this meets with your approval, please so indicate by executing, dating, and returning one (1) original copy of this letter in the enclosed self-addressed stamped envelope.

If you have any questions or concerns please feel free to contact me at (303) 996-1815.

Thank you again for your assistance, your prompt response is greatly appreciated.

Sincerely,



Brandon Casey
Landman

cc: enclosures

Agreed and accepted this 26th day of March 2014.

FIRST GRIFFIN GROUP, LLC

By Ed Keeney
Title: Manager

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/14/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drilled to 60' and set conductor.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 April 15, 2014

NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUMBER 303 996-1834	TITLE Production Tech
SIGNATURE N/A	DATE 4/15/2014	

BLM - Vernal Field Office - Notification Form

Operator GASCO PROD. Rig Name/# CAPSTAR RIG 310
Submitted By SCOTT ALLRED Phone Number 435-828-0601
Well Name/Number DSS 422-36-9-18
Qtr/Qtr SW/NE Section 36 Township 9 S Range 18 E
Lease Serial Number ML45171
API Number ~~43047533250000~~ 43 047 53328

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/29/2014 11:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks If you would like to witness, please call for a better time

Gasco Myton, Utah - Notification Form

Operator GASCO PROD. Rig Name/# SST 54
Submitted By SCOTT ALLRED Phone Number 435-828-0601
Well Name/Number DESERT SPRINGS STATE 422-36-9-18
Qtr/Qtr SW/NE Section 36 Township 9 S Range 18 E
Lease Serial Number ML54171
API Number 43-047-53328

SPUD NOTICE – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

CASING – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/26/2014 1:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks If you would like to witness, please call for a more exact time Thank You

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/8/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input style="width: 100px;" type="text" value="Temp Water Lines"/>
<input type="checkbox"/> DRILLING REPORT Report Date:	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco intends to lay approximately 3,099' of 10" lay flat hose along the bar ditch of the road from the Desert Springs Evaporation Facility Pit #1 (South Pit) to the pad for the Desert Spring State 412-36-9-18, 422-36-9-18 and 424-36-9-18 (see attached map). All lay flat hose connections will be a twist and lock connection. Road crossings will have a 1 foot culvert put in place. Gasco intends to use produced water from the evap pond and treat it by running it through a 150 micron filter then injecting MC B-8614 Biocide in the line. It will be pumped into frac tanks on location. All pumps will have containment under them. Gasco also intends to use the line to pump flowback water to the evap facility. It is estimated the lines will be in use for approximately 30 days.

Gasco will monitor the lines for leaks at the startup and periodically throughout the operation

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: September 02, 2014

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/18/2014	



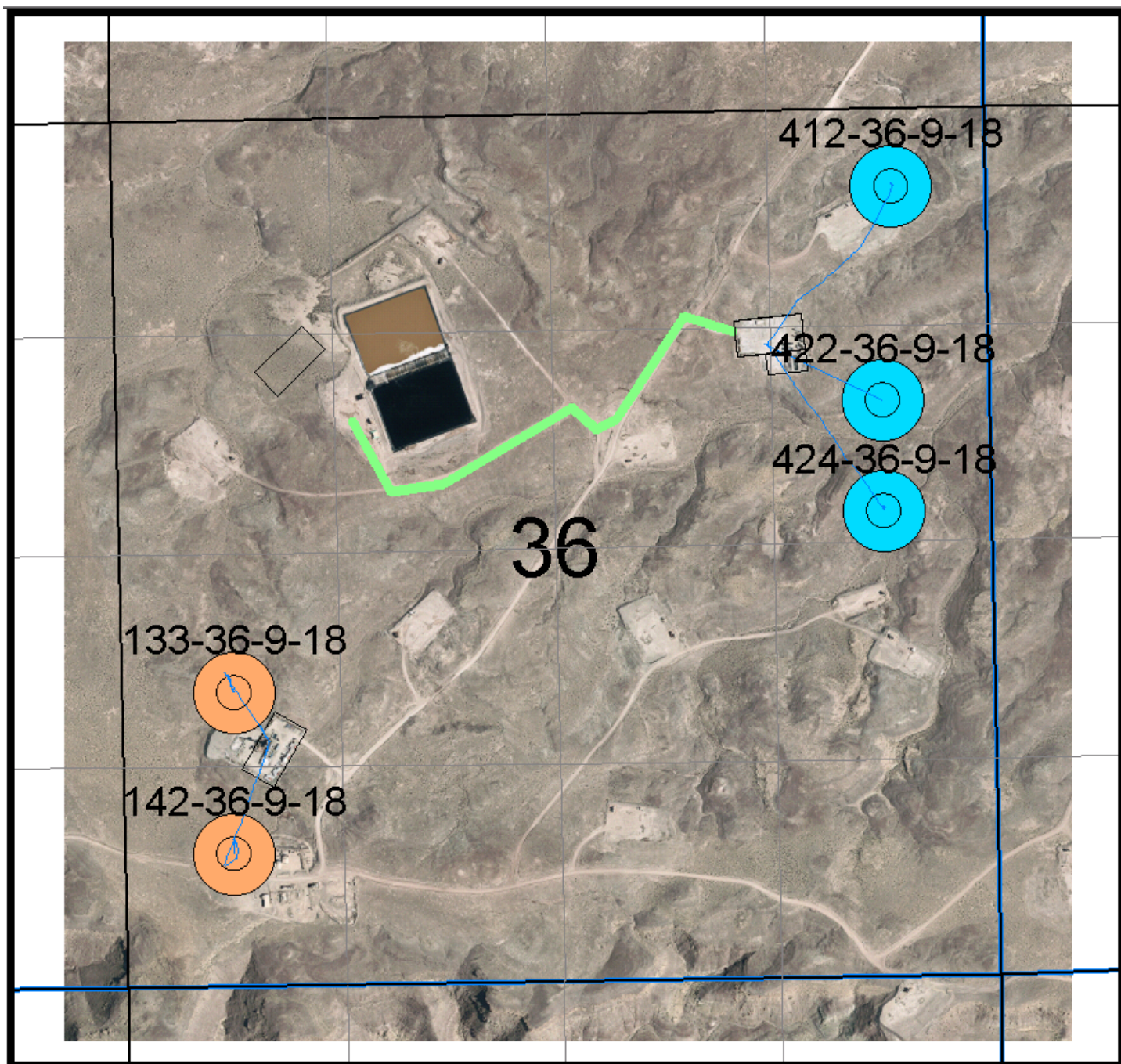
The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047533280000

The operation is approved as proposed. Approval from SITLA for the right-of way shall be obtained by Gasco Production Company.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/26/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was put on production and had first sales at 4:00 PM on 10/26/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 05, 2014		
NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUMBER 303 996-1834	TITLE Production Tech
SIGNATURE N/A	DATE 10/30/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533280000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/26/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco intends to primarily dispose of produced water at the Desert Spring State Evaporation Facility and the Eight Mile Flat Evaporation Facility owned by Monarch Natural Gas, LLC. Gasco may also utilize the following State approved disposal facilities: Brennan Bottom Disposal, Environmental Energy Innovations, Integrated Water Management, LLC, Iowa Tanklines, Inc., R N Industries, Inc., and Western Water Solutions.		
Accepted by the Utah Division of Oil, Gas and Mining Date: November 05, 2014 By:		
NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUMBER 303 996-1834	TITLE Production Tech
SIGNATURE N/A	DATE 10/30/2014	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED
FORM 6
OCT 22 2014

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: Gasco Production Company Operator Account Number: N 2575
Address: 7979 E. Tufts Ave., Suite 1150
city Denver
state CO zip 80237 Phone Number: (303) 996-1834

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753324	Desert Spring State 412-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	19454	19783	4/14/2014			10/31/14	
Comments: Please assign all 3 wells to the same entity. <div style="float: right; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753328	Desert Spring State 422-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	19458	19783	4/14/2014			10/31/14	
Comments: Please assign all 3 wells to the same entity. <div style="float: right; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753325	Desert Spring State 424-36-9-18		SWNE	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
E	19455	19783	4/14/2014			10/31/14	
Comments: Please assign all 3 wells to the same entity. <div style="float: right; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Lindsey Cooke

Name (Please Print)

Signature

Production Tech

Title

10/22/2014

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: DESERT SPRINGS ST 422-36-9-18	
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047533280000	
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112	PHONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1464 FNL 1371 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 09.0S Range: 18.0E Meridian: S	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/26/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <u>Production Facilities & Meas</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco intends to use the following production facilities and measurement methods on the Desert Spring States 422-36-9-8, Desert Spring State 412-36-9-18 and the Desert Spring State 424-36-9-18 which share a common pad: Each well will be produced through its own three-phase separator. Gas will be metered through an electronic flow meter, a Total Flow XFCG4, then to a common sales meter. Liquids from each well will flow to individual 400 bbl tanks where water and condensate will be gauged regularly. Condensate will be manually skimmed into a common 400 bbl sales tank. Only one tank will be skimmed at a time in order to allow for gauging and tracking of the condensate from each well. These wells share the same lease with common ownership, and are being produce from the same formations. It has also been requested that all three wells share a common entity number for reporting purposes.

Approved by the
November 13, 2014
Oil, Gas and Mining

Date: _____
 By: Derek Duff

NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUMBER 303 996-1834	TITLE Production Tech
SIGNATURE N/A		DATE 10/30/2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____b. TYPE OF WORK:
NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:

12. COUNTY

13. STATE

UTAH

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD
TVD19. PLUG BACK T.D.: MD
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED? NO ☐ YES ☐ (Submit analysis)WAS DST RUN? NO ☐ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED?

YES ☐NO ☐

IF YES -- DATE FRACTURED:

DEPTH INTERVAL

AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
☐ GEOLOGIC REPORT
☐ CORE ANALYSIS
☐ DST REPORT
☐ OTHER: _____
☐ DIRECTIONAL SURVEY

30. WELL STATUS:

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Gasco Production Company

Desert Spring State 422-36-9-18

NE SW of Section 36-T9S-R18E

Uintah County Utah,

43-047-53328

Completion

- 9/9/2014 MIRU the perforators and run CBL, Gamma ray, CCL. Tag @ 12,433', need to get to 12,581' to frac bottom stage. Will have coil come and clean out well.
- 9/10/14 MIRU coil CTS to clean out wellbore. MU Weatherford 3 3/4" mill+2 7/8" ECTD even wall motor+MHA. RIH and tag @ 12,506'. Clean out to 12,581' and circulate bottoms up. POOH and RDMO CTS.
- 10/6/14 MIRU RBS psi tester to test casing. Bring psi up to 6,000 psi and well started taking fluid, SD. RDMO. Will have to set a plug.
- 10/8/14 MIRU the Perforators. MU and RIH w/3.65 gauge ring w/junk basket. Tag @ 12,523', POOH. Fd small piece of rubber in junk basket. MU and RIH w/4 1/2" CIBP and tag @ 9,800'. PU and pulled sticky. POOH dragging and getting stuck every 1,200' +/- . Secure well for night and SDFD.
- 10/9/14 FD 0 sicp. Fill lubricator w/RBS psi tester and RIH w/3.65 gauge ring to 12,500' and tag. Start POOH and fd tight spot at 9,850'. MU and RIH w/new 4 1/2" CIBP. Set plug @ 12,513'. POOH. Try to psi test csg and get to 6,000 psi and falls off. MU and RIH w/second plug and pressure well up to 4,500 psi set plug @ 12,500' POOH. Psi test and well takes fluid @ 6,000 psi. RIH and dump 15' of cement on top of plug, POOH. Secure well and SDFD.
- 10/10/14 FD 0 sicp. Psi test csg and well starts to take fluid @ 6,300 psi, +/- 1/4 bpm. SDFD.
- 10/11/14 Fd 200 sicp. MIRU The Perforators and Halliburton acid pumper. MU and RIH w/temp logging tool and log well to TD, POOH. Several collars throughout wellbore show a significant temp drop. RU and pump 186 bbls 65 degree 2% kcl @ 1bpm w/6,700 psi, SD. After 4 min psi fell off to 5,567 and held solid. RU and RIH w/temp logging tool and log well again. to TD. Temp shows 13 degrees cooler @ TD, pass #1 temp 225 degrees, pass #2 temp shows 212 degrees. Pass #2 still shows temp drops across several collars. POOH. After discussion w/(MD and HG) MU and RIH w/10k CIBP. W/4,500 psi on well **set CIBP #3 @ 12,485'**, POOH. MU CIBP #4 and RIH. Bring well psi up to 5,000 psi and **set plug @ 12,480'**.

POOH. Ru and psi test casing to 9,000 psi and watch for 10 min, test good. Bleed off and secure well for night, SDFD.

- 10/13/14 Have safety meeting, (perf guns). MIRU The Perforators. MU and RIH w/perf guns. **Perf stage-1 Spring Canyon** f/12,442-44', 12,452-56', 12,460-62', 12,470-74' w/2 3/4" guns 15 gram charge, .38 EH 36" pen 120 degree phase 3 spf. Updated late cost, cost includes rental equipment, csg repair, psi testing
- 10/14/14 MIRU Halliburton frac crew. Have safety meeting, (pumping psi, communication). Prime and test pump and lines to 9,800 psi, test good. Break dn perfs w/4,531 @ 4.9 bpm. Get rate up to 34 bpm and and step dn. SD, ISIP 3,798 FG .74 calculated holes open, 8.7 (24.1%). Produced FR slick water frac well w/96,000# 20/40 Premium white sand, 3,733 bbls Produced FR slick water, and flushed w/186 bbls Produced FR slick water. SD, ISIP 4,633 FG .83 MR 58.2 bpm, AR 56.1 bpm, MP 9,139 psi, AP 8,346 psi. Open well up to FB @ 5:00 p.m. w/4,400 psi on a 14/64 ck. SDFD. Total fluid pumped 3,919
- 10/15/14 Fd well flowing @ 1,100 on a 16/64 ck. Recovered 804 bbls in 11 hrs 40 min, TR 804, BLWTR 3,115 bbls. RU and flush wellbore w/acid for next set of perfs 186 bbls total fluid. MU and RIH w/plug and guns. Plug started to set @ 9,100' when correlating short joint. Unable to get plug free. Try flowing well on an 8/64 ck and well bled off to 0 psi. try pumping and psi came up to 3,000 psi. Set plug and POOH w/guns and setting tool. Shut well in, will have cutters wireline out tomorrow to try and chisel plug out. SDFD.
- 10/16/14 Have safety meeting, (multiple operations). RU and pump on well to check plug. Well pressured up to 4,000 psi then bleeds off to 1,100, SD. MIRU Cutters wireline and RIH w/chisel. Tag FTFP @ 9,150'. Chisel plug out and push to 12,480', POOH. RIH w/gauge ring to 12,480', POOH. RU and RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 12,379'.** **Perf stage-2 Kenilworth/Aberdeen** f/12,224-25', 12,236-37', 12,250-51', 12,280-81', 12,288-89', 12,310-11', 12,347-48', 12,352-54' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf, POOH. RU to frac. Break dn perfs w/6,657 @ 4 bpm. Get rate up to 38.4 bpm and SD. ISIP 5,059 FG .87 Calculated holes open 13.5, (50%). Produced FR slick water frac well w/84,450# 20/40 Premium white sand, 3,556 bbls Produced FR slick water, and flushed w/182 bbls Produced FR slick water. SD, ISIP 4,448 FG .82 MR 53.3 bpm, AR 46.7 bpm, MP 9,092 psi, AP 8,259 psi. Open well up to FB @ 5:30 p.m. w/4,000 psi on a 14/64 ck. SDFD.

- 10/17/14 Have safety meeting, (pumping psi). Fd well flowing @ 4,000 on a 14/64 ck. Made 1,056 bbls in 11 hrs 30 min, TR 1,860 bbls, BLWTR 5,947 bbls. RU, flush wellbore and spot acid. MU and RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 11,970'. Perf stage-3 Desert/Grassy f/11,789-90', 11,809-10', 11,838-39', 11,851-52', 11,866-67', 11,900-01', 11,912-13', 11,941-43' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen 120 degree phase, 3 spf. POOH RU to frac. Break dn perfs w/6,254 @ 4 bpm. Get rate up to 38.4 bpm w/8,450 psi, SD. ISIP, 5,059 FG .87 calculated holes open 13.5, (50%). Produced FR slick water frac well w/132,100# 20/40 Premium white sand, 5,401 bbls Produced FR slick water, and flushed w/182 bbls Produced FR slick water. Pumped 500 gal 15% HCL during flush for next set of perfs. SD, ISIP 3,930 FG .78 MR 55.1 bpm, AR 50.2 bpm, MP 9,169 psi, AP 8,222 psi. RIH w/plug and guns. **Set HES 10k Obsidian FTFP @ 11,518'. Perf stage-4 Lower Mesaverde f/11,202-03', 11,215-16', 11,238-39', 11,311-12', 11,348-49', 11,450-52', 11,464-65', 11,486-87', 11,494-95' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/5,737 @ 5 bpm. Get rate up to 42 bpm and SD. ISIP 4,031 FG .81 calculated holes open 13.4, (44.6%). Produced FR slick water frac well w/132,100# 20/40 Premium white sand, 5,193 bbls Produced FR slick water, and flushed w/166 bbls Produced FR slick water. SD, ISIP 4,383 FG .84 MR 58.2 bpm, AR 52.7 bpm, MP 8,796 psi, AP 8,048 psi. Open well up to FB @ 6:00 p.m. w/4,200 on a 14/64 ck. SDFD. Total fluid pumped 18,754 bbls.****
- 10/18/14 Have safety meeting, (wireline). Fd well flowing @ 4,000 on a 14/64 ck. Made 1,071 bbls in 11 hrs, TR 2,931 bbls, BLWTR 15,823 bbls. RU and pump flush on well w/acid for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 11,120' Perf stage-5 Lower Mesaverde f/10,788-89', 10,851-52', 10,876-77', 10,900-01', 10,950-51', 11,015-16', 11,055-56', 11,077-78', 11,094-95' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/5,086 @ 5 bpm. Get rate up to 35.7 bpm and SD. ISIP, 4,236 FG .84 calculated holes open 15.3, (56.5%). Produced FR slick water frac well w/130,900# 20/40 Premium white sand, 5,540 bbls Produced FR slick water, and flushed w/170 bbls Produced FR slick water. Pumped 250 gal 15% HCL during flush for next set of perfs. SD. ISIP 4,025 FG .82 MR 58.8 bpm, AR 48 bpm, MP 9,230 psi, AP 7217 psi. Cut job 2,000# short due to psi. RIH w/plug and guns. Tag sand @ 10,600'. POOH. Open well up to FB @ 1:11 p.m. w/4,000 on a 14/64 ck. SDFD. Total fluid pumped 24,465**
- 10/19/14 Have safety meeting, (Pumping psi). Fd well flowing @ 3,200 on a 14/64 ck. Made 1,239 bbls in 15 hrs 50 min. TR 4,170 bbls, BLWTR 20,295 bbls. Pump flush on well w/acid for next set of perfs. RIH w/plug and

guns. **Set HES 10k Obsidian FTFP w/soluplug @ 10,769'.** **Perf stage-6 Lower Mesaverde/Upper Mesaverde** f/10,300-01', 10,464-65', 10,480-81', 10,578-79', 10,592-93', 10,619-20', 10,659-60', 10,680-81', 10,716-17', 10,731-32', 10,743-44' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH RU to frac. Break dn perfs w/4,800 @ 5 bpm. Get rate up to 42.2 bpm and SD. ISIP, 4,030 FG .85 calculated holes open 19.8, (59.9%). Produced FR slick water frac well w/168,200# 20/40 Premium white sand, 6,821 bbls produced FR slick water, and flushed w/ 163 bbls produced FR slick water. Pumped 250 gals 15% HCL during flush for next set of perfs. SD. ISIP 4,030 FG .83 MR 59.9 BPM, AR 56.4, MP 8,937, AP 8,440 psi. Halliburton washed out some iron and will have to replace. Open well up to FB @ 7:08 p.m. w/3,750 on a 14/64 ck. SDFD.

10/20/14 Have safety meeting, (Pumping psi). Fd well flowing @ 3,400 on 16/64 ck. Made 1,131 bbls in 10 hrs. TR 5,301 bbls, BLWTR 26,149 bbls. Pump 144 bbls flush on well w/250 gal 15% HCL for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 10,200'.** **Perf stage-7 Upper Mesaverde** f/9,709-10', 9,754-55', 9,768-69', 9,814-15', 9,842-43', 9,998-99', 10,076-77', 10,114-15', 10,179-80' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/6,144 @ 5 bpm. Get rate up to 38.5 bpm w/7,900 psi. SD, ISIP 3,495 FG .82 calculated holes open 9.5, (35.1%). Produced FR slick water frac well w/180,100# 20/40 Premium white sand, 7,486 bbls Produced FR slick water, and flushed w/154 bbls Produced FR slick water, pumped 250 gal 15% HCL during flush for next set of perfs. SD, ISIP 3,395 FG .81 MR 59.9 bpm, AR 49.1 bpm, MP 9,187 psi, AP 7,869 psi. RIH w/plug and guns. Tag sand @ 9,300', PU. Try to pump more flush on well and pressured up to 8,000 psi. RIH tag 9,300'. POOH dragging sand and debri. Open well up to FB @ 3:00 p.m. w/3,000 On a 16/64 ck. SDFD. Total fluid pumped, 39,090 bbls

10/21/14 Have safety meeting, (slips, trips, falls). Fd well flowing @ 3,400 on a 16/64 ck. Made 1,429 bbls in 13 hrs, TR 6,730 bbls, BLWTR 32,360 bbls. RU and pump 139 bbls flush on well w/250 gals 15% HCL for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 9,684'.** **Perf stage-8 Upper Mesaverde** f/9,530-31', 9,380-81', 9,434-35', 9,465-66', 9,510-11', 9,530-31', 9,560-62', 9,609-10', 9,628-29', 9,660-61' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. RU to frac. Break dn perfs w/4,955 @ 5 bpm. Get rate up to 40.6 bpm and SD. ISIP, 3,440 FG .82 calculated perfs open 12.9, (39.1%). Produced water FR slick water frac well w/180,100# 20/40 Premium white sand, 7,212 bbls Produced FR slick water, and flushed w/149 bbls Produced FR slick water. Pumped 500 gal 15% HCL acid during flush for next set of perfs. SD, ISIP 3,506 FG .82 MR 62.3

bpm, AR 60.2 bpm, MP 8,169 psi, AP 7,314 psi. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 9,306'.** **Perf stage-9 Dark Canyon/Wasatch** f/8,948-49', 8,968-69', 9,028-29', 9,048-49', 9,156-57', 9,169-70', 9,236-37', 9,259-60', 9,280-81' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/6,300 @ 5 bpm. Get rate up to 30 bpm and SD. ISIP 3,940 FG .87 calculated holes open. Produced FR slick water frac well w/132,100# 20/40 Premium white sand, 5,246 bbls Produced FR slick water, and flushed w/133 bbls Produced FR slick water. SD, ISIP 3,822 FG .86 MR 56 bpm, AR 46.5 bpm, MP 8,873 psi, AP 7,918 psi. Open well up to FB @ 5:00 p.m. w/2,500 on a 16/64 ck. SDFD.

10/22/14 Have safety meeting, (wireline). Fd well flowing @ 2,800 on a 16/64 ck. made 1,082 bbls in 10 hrs 45 min, TR 7,812, BLWTR 44,037 bbls. Pump 124 bbls flush on well w/250 gal 15% HCL acid for next set of perfs. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 8,748'.** **Perf stage-10 Wasatch** f/8,384-85', 8,399-400', 8,436-37', 8,446-47', 8,462-63', 8,486-87', 9,709-10', 8,718-19', 8,727-28' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen 120 degree phase, 3 spf. POOH. Ru to frac. Break dn perfs w/4,120 @ 5 bpm. Get rate up to 40.6 bpm. SD, ISIP 2,523 FG .72 calculated holes open, 9.2, (34.2%). Produced FR slick water frac well w/108,00# 20/40 Premium white sand, 4,288 bbls Produced FR slick water, and flushed w/134 bbls Produced FR slick water. SD, ISIP 2,879 FG .76 MR 60.8 bpm, AR 60 bpm, MP 9,087 psi, AP 7,409 psi. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 8,322'.** **Perf stage-11 f Wasatch** f/7,844-45', 8,004-05', 8,022-23', 8,069-70', 8,092-93', 8,164-65', 8,170-71', 8,247-48', 8,260-61' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. RU to frac. Break dn perfs w/3,910 @ 4.7 bpm. Get rate up to 38.5 bpm and SD. ISIP 2,539 FG .73 calculated holes open 15, (55.4%). Produced water FR slick water frac well w/96,000# 20/40 Premium white sand, 3,797 bbls Produced FR slick water, and flushed w/126 bbls Produced FR slick water. SD, ISIP 2,541 FG .72 MR 60.7 bpm, AR 60.1 bpm, MP 7,795 psi, AP 6,478 psi. RIH w/plug and guns. **Set HES 10k Obsidian FTFP w/soluplug @ 6,936'.** **Perf stage-12 Wasatch** f/6,572-73', 6,582-83', 6,802-03', 6,815-16', 6,894-96', 6,904-06' w/2 3/4" guns, Titan 15 gram charges, .38 EH, 36" Pen, 120 degree phase, 3 spf. POOH. Ru to frac. Break dn perfs w/2,848 @ 5 bpm. Get rate up to 39.6 bpm and SD. ISIP, 1,560 FG .62 calculated holes open 19, (79.4%). Produced water FR slick water frac well w/76,190# 20/40 Premium white sand, 2,950 bbls Produced FR slick water, and flushed w/98 bbls Produced FR slick water. SD, ISIP 1,476 FG .61 MR 60.6 bpm, AR 59.9 bpm, MP 7,416 psi, AP 4,437 psi. Open well up to FB @ 7:00 p.m. w/1,000 on a 16/64 ck. SDFD.

10/23/14 7:00 a.m. fd well flowing @ 1,000 psi on a 16/64 ck. Made 804 bbls in 12 hrs, TR 8,616 bbls, BLWTR 54,494 bbls.

10/24/14 7:00 a.m. fd well flowing @ 1,700 psi on a 16/64 ck. Made 1,710 bbls in 24 hrs, TR 10,326 bbls, BLWTR 54,494 bbls. Held safety meeting: (R/U , C/O Plugs). R/u Coil tubing services, p/u new weatherford 33/4'' 4-bladed mill and mud motor, stab on well, test BOPE and flowback equip to 6k (held). RIH @ ½ BPM, FCP @ 1,700. Tag 1st plug @ 6,962' c/o plug in 22 mins, FCP @ 1,350. Tag 2nd plug @ 8,323' c/o plug in 54 mins, FCP @ 1,250. Tag 3rd plug @ 8,791' c/o plug in 32 mins FCP @ 1,250. Tag 4th plug @ 9,351' c/o plug in 26 mins FCP @ 1,350. Tag 5th plug @ 9,731' c/o plug in 15 mins FCP @ 1,300. Tag 6th plug @ 10,249' c/o plug in 19 mins FCP @ 1,250. Tag 7th plug @ 10 822' c/o plug in 35 mins FCP @ 1,300. Tag 8th plug @ 11,173' c/o plug in 16 mins FCP @ 1,400. Tag 9th plug @ 11,571' c/o plug in 19 mins FCP @ 1,800. Tag 10th plug @ 12,024' c/o plug in 3 mins FCP @ 1,750. Tag 11th plug @ 12,438' c/o plug in 10 mins FCP @ 1,750. C/O to 12,526' FCP @ 1,750. Pumped 20 bbl sweep, circulate clean. POOH. Flow well to tank on 16/64 choke, turn well over to flow back crew.

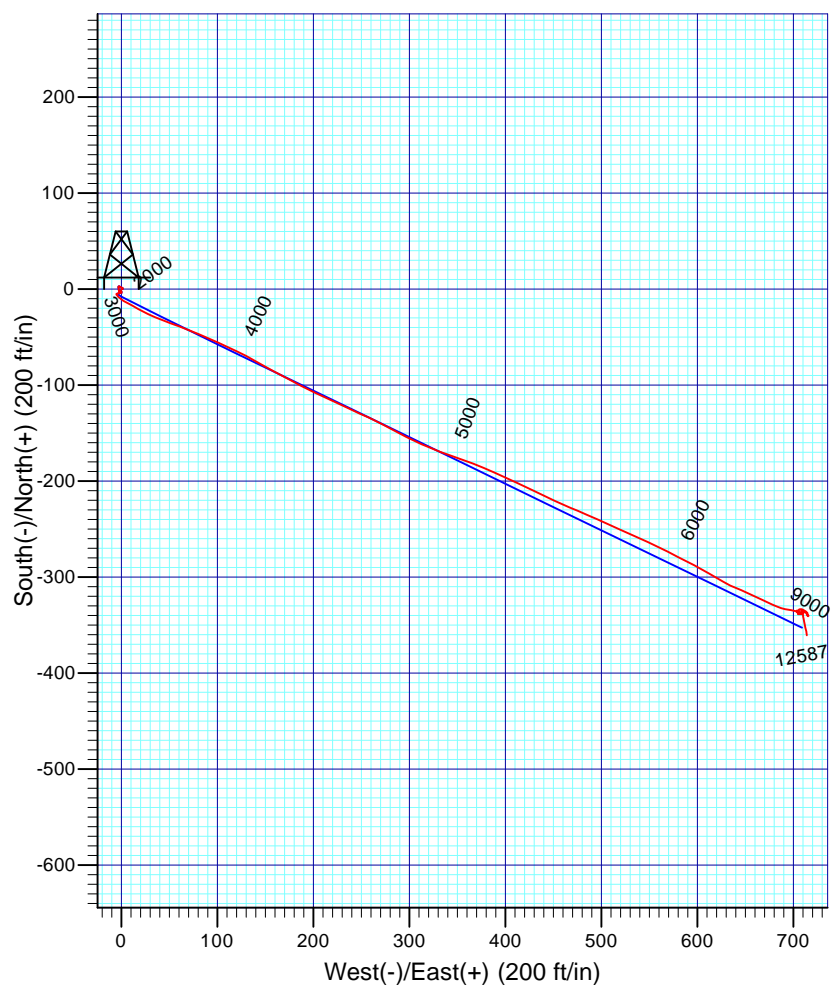
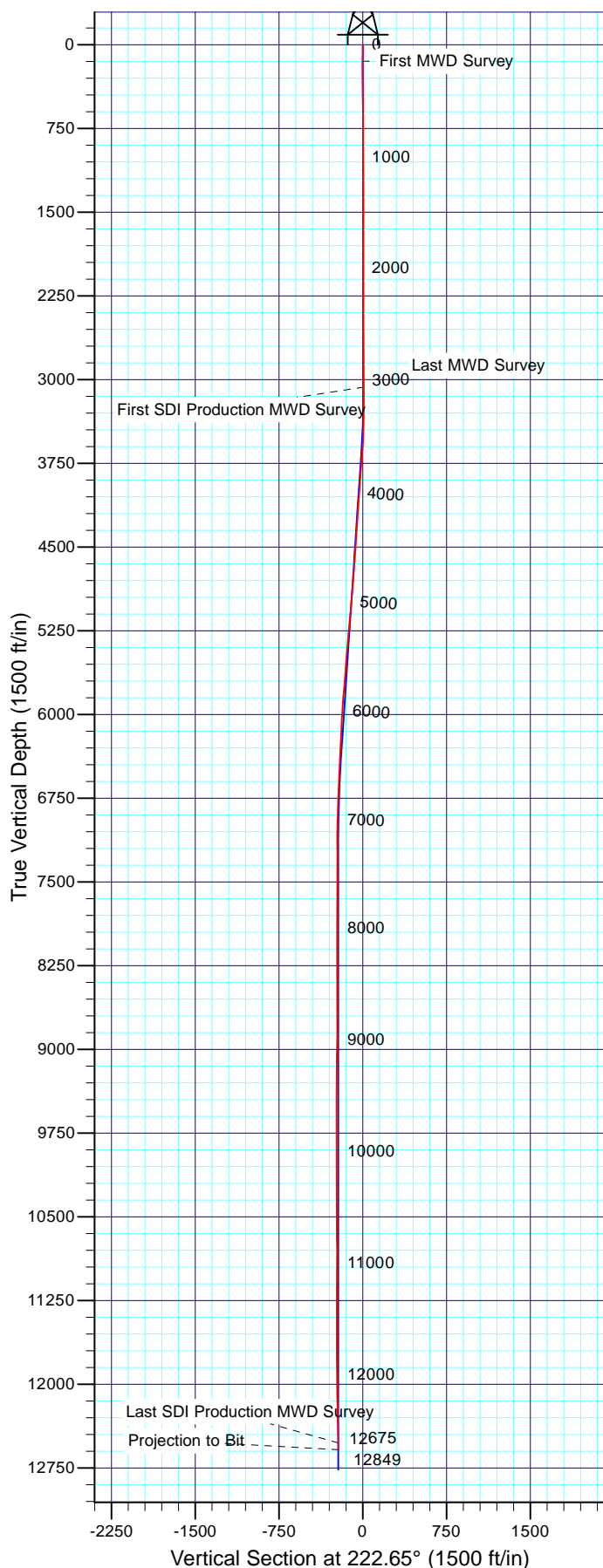
10/25/14 7:00 a.m. fd well flowing @ 2,300 psi on a 16/64 ck. Made 446 bbls in 9 hrs, TR 10,772 bbls, BLWTR 54,494 bbls.

10/26/14 7:00 a.m. fd well flowing @ 2,300 psi on a 16/64 ck. Made 1,103 bbls in 24 hrs, TR 11,875 bbls, BLWTR 54,494 bbls. Turn well over to first sales @ 4:00 p.m. w/2,100 on a 16/64 ck.



Scientific Drilling

Company: Gasco Energy
 Project: Uintah County, UT NAD27
 Site: Desert Springs
 Well: Desert Springs State #422-36-9-18
 Wellbore: OH
 Design: OH



Well Details: Desert Springs State #422-36-9-18

TVD Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54) and Level: 4912.00		Slot	
+N/-S	+E/-W	North	East
0.00	0.00	607974.33	2465986.14
		39° 59' 26.360 N	109° 50' 12.280 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Desert Springs State #422-36-9-18, True North
 Vertical (TVD) Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 4912' & RKB 25' @ 4937.00ft (SST 54)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: Utah Central 4302

System Datum: Mean Sea Level

Plan: OH

17:03, September 10 2014
 Created By: Mel Mireles

RECEIVED: DEC: 11, 2014

Survey Report



Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah County, UT NAD27	TVD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	MD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Desert Springs		
Site Position:		Northing:	607,976.71 usft
From:	Lat/Long	Easting:	2,466,005.55 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	39° 59' 26.380 N
		Longitude:	109° 50' 12.030 W
		Grid Convergence:	1.07 °

Well	Desert Springs State #422-36-9-18		
Well Position	+N/-S	0.00 ft	Northing: 607,974.33 usft
	+E/-W	0.00 ft	Easting: 2,465,986.14 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	39° 59' 26.360 N
		Longitude:	109° 50' 12.280 W
		Ground Level:	4,912.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2014	8/13/2014	10.93
			Dip Angle (°)
			65.71
			Field Strength (nT)
			51,853

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction (°)
			222.65

Survey Program	Date	9/10/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
150.00	2,985.00	Survey #1 - Surface MWD (OH)	MWD	MWD - Standard
3,068.00	12,675.00	Survey #2 - Production MWD (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	1.19	84.05	149.99	0.16	1.55	-1.17	0.79	0.79	0.00
First MWD Survey									
242.00	1.23	302.20	241.98	0.79	1.66	-1.71	2.49	0.04	-154.18
335.00	1.89	295.34	334.95	1.98	-0.57	-1.07	0.74	0.71	-7.38
430.00	0.57	293.41	429.92	2.83	-2.42	-0.45	1.39	-1.39	-2.03
524.00	0.31	219.05	523.92	2.82	-3.01	-0.04	0.61	-0.28	-79.11
619.00	0.26	174.76	618.92	2.41	-3.15	0.36	0.23	-0.05	-46.62
714.00	0.48	175.46	713.92	1.80	-3.10	0.78	0.23	0.23	0.74

Survey Report



Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah County, UT NAD27	TVD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	MD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
809.00	0.57	168.78	808.91	0.94	-2.97	1.33	0.11	0.09	-7.03
902.00	0.40	171.42	901.91	0.16	-2.83	1.80	0.18	-0.18	2.84
995.00	0.53	180.82	994.91	-0.59	-2.79	2.33	0.16	0.14	10.11
1,089.00	0.62	155.68	1,088.90	-1.49	-2.59	2.85	0.28	0.10	-26.74
1,184.00	0.62	186.80	1,183.90	-2.47	-2.44	3.47	0.35	0.00	32.76
1,278.00	0.44	166.41	1,277.89	-3.32	-2.41	4.08	0.27	-0.19	-21.69
1,374.00	0.26	160.96	1,373.89	-3.89	-2.26	4.39	0.19	-0.19	-5.68
1,469.00	0.48	200.07	1,468.89	-4.46	-2.32	4.86	0.34	0.23	41.17
1,561.00	0.57	17.08	1,560.89	-4.39	-2.32	4.80	1.14	0.10	192.40
1,655.00	1.00	10.31	1,654.88	-3.14	-2.04	3.69	0.47	0.46	-7.20
1,747.00	0.62	43.10	1,746.87	-1.98	-1.55	2.51	0.64	-0.41	35.64
1,842.00	0.35	91.79	1,841.87	-1.62	-0.91	1.81	0.49	-0.28	51.25
1,939.00	0.44	115.17	1,938.86	-1.78	-0.28	1.50	0.19	0.09	24.10
2,031.00	0.35	161.40	2,030.86	-2.20	0.13	1.53	0.35	-0.10	50.25
2,122.00	0.66	182.84	2,121.86	-2.99	0.19	2.07	0.39	0.34	23.56
2,217.00	0.18	163.42	2,216.86	-3.68	0.21	2.56	0.52	-0.51	-20.44
2,311.00	0.22	197.26	2,310.86	-3.99	0.20	2.80	0.13	0.04	36.00
2,405.00	0.40	293.76	2,404.85	-4.03	-0.16	3.07	0.51	0.19	102.66
2,500.00	0.48	275.48	2,499.85	-3.86	-0.86	3.42	0.17	0.08	-19.24
2,592.00	0.53	267.92	2,591.85	-3.84	-1.66	3.95	0.09	0.05	-8.22
2,686.00	0.88	238.21	2,685.84	-4.23	-2.71	4.95	0.53	0.37	-31.61
2,779.00	0.26	252.28	2,778.84	-4.67	-3.52	5.82	0.68	-0.67	15.13
2,874.00	0.26	290.07	2,873.84	-4.67	-3.93	6.09	0.18	0.00	39.78
2,968.00	0.40	229.51	2,967.83	-4.81	-4.38	6.50	0.38	0.15	-64.43
2,985.00	0.40	251.05	2,984.83	-4.86	-4.48	6.61	0.88	0.00	126.71
Last MWD Survey									
3,068.00	0.50	250.79	3,067.83	-5.08	-5.10	7.19	0.12	0.12	-0.31
First SDI Production MWD Survey									
3,164.00	0.70	134.04	3,163.83	-5.62	-5.07	7.57	1.07	0.21	-121.61
3,259.00	3.32	141.73	3,258.76	-8.19	-2.95	8.02	2.77	2.76	8.09
3,354.00	4.69	118.90	3,353.53	-12.22	2.16	7.53	2.19	1.44	-24.03
3,449.00	7.54	119.38	3,447.98	-17.16	10.99	5.17	3.00	3.00	0.51
3,545.00	8.97	117.39	3,542.99	-23.69	23.12	1.76	1.52	1.49	-2.07
3,640.00	11.44	112.12	3,636.48	-30.65	38.43	-3.49	2.78	2.60	-5.55
3,735.00	13.45	109.58	3,729.24	-37.90	57.57	-11.13	2.19	2.12	-2.67
3,830.00	13.70	113.35	3,821.59	-46.06	78.31	-19.17	0.97	0.26	3.97
3,925.00	13.74	114.27	3,913.88	-55.16	98.92	-26.45	0.23	0.04	0.97
4,020.00	13.87	114.70	4,006.13	-64.55	119.55	-33.51	0.17	0.14	0.45
4,115.00	13.29	120.22	4,098.48	-74.81	139.33	-39.37	1.49	-0.61	5.81
4,210.00	14.24	118.42	4,190.75	-85.86	159.04	-44.60	1.10	1.00	-1.89

Survey Report



Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah County, UT NAD27	TVD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	MD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,305.00	13.43	116.75	4,283.00	-96.39	179.17	-50.49	0.95	-0.85	-1.76
4,400.00	12.88	118.12	4,375.50	-106.35	198.36	-56.17	0.67	-0.58	1.44
4,495.00	13.14	112.85	4,468.07	-115.53	217.65	-62.48	1.28	0.27	-5.55
4,586.00	14.22	116.02	4,556.49	-124.45	237.23	-69.18	1.44	1.19	3.48
4,682.00	12.85	113.97	4,649.82	-133.96	257.58	-75.98	1.51	-1.43	-2.14
4,777.00	14.61	119.12	4,742.10	-144.08	277.70	-82.16	2.25	1.85	5.42
4,872.00	14.92	115.58	4,833.97	-155.19	299.20	-88.55	1.00	0.33	-3.73
4,968.00	14.03	112.85	4,926.92	-165.05	321.07	-96.12	1.17	-0.93	-2.84
5,063.00	14.87	109.24	5,018.92	-173.54	343.19	-104.87	1.30	0.88	-3.80
5,158.00	14.69	110.40	5,110.77	-181.75	365.99	-114.27	0.36	-0.19	1.22
5,254.00	15.56	114.47	5,203.45	-191.33	389.12	-122.90	1.43	0.91	4.24
5,349.00	15.22	114.67	5,295.04	-201.81	412.05	-130.72	0.36	-0.36	0.21
5,445.00	13.81	116.57	5,387.98	-212.20	433.75	-137.78	1.55	-1.47	1.98
5,539.00	14.48	114.07	5,479.13	-222.01	454.52	-144.63	0.96	0.71	-2.66
5,634.00	13.18	112.70	5,571.37	-231.03	475.35	-152.11	1.41	-1.37	-1.44
5,730.00	14.33	114.13	5,664.62	-240.12	496.29	-159.62	1.25	1.20	1.49
5,825.00	15.03	114.23	5,756.52	-249.98	518.26	-167.25	0.74	0.74	0.11
5,920.00	14.10	114.01	5,848.46	-259.74	540.06	-174.84	0.98	-0.98	-0.23
6,015.00	13.39	116.17	5,940.74	-269.30	560.50	-181.65	0.92	-0.75	2.27
6,110.00	12.24	117.33	6,033.37	-278.78	579.32	-187.43	1.24	-1.21	1.22
6,205.00	11.36	117.41	6,126.37	-287.71	596.57	-192.55	0.93	-0.93	0.08
6,300.00	10.68	120.22	6,219.61	-296.44	612.49	-196.91	0.91	-0.72	2.96
6,395.00	9.97	120.38	6,313.07	-305.03	627.19	-200.55	0.75	-0.75	0.17
6,490.00	9.31	111.65	6,406.74	-312.03	641.43	-205.05	1.69	-0.69	-9.19
6,585.00	8.44	114.29	6,500.60	-317.73	654.92	-210.00	1.01	-0.92	2.78
6,680.00	7.95	116.75	6,594.63	-323.56	667.14	-214.00	0.63	-0.52	2.59
6,775.00	6.55	113.54	6,688.87	-328.68	677.98	-217.57	1.53	-1.47	-3.38
6,871.00	5.42	107.92	6,784.34	-332.26	687.31	-221.26	1.32	-1.18	-5.85
6,966.00	3.32	95.71	6,879.06	-333.91	694.32	-224.79	2.41	-2.21	-12.85
7,061.00	3.18	102.94	6,973.91	-334.78	699.63	-227.75	0.46	-0.15	7.61
7,157.00	1.74	119.67	7,069.82	-336.10	703.49	-229.39	1.66	-1.50	17.43
7,252.00	0.50	189.24	7,164.81	-337.22	704.67	-229.37	1.72	-1.31	73.23
7,347.00	1.15	169.04	7,259.80	-338.56	704.79	-228.46	0.74	0.68	-21.26
7,442.00	0.76	4.82	7,354.79	-338.87	705.02	-228.39	1.99	-0.41	-172.86
7,538.00	0.39	56.04	7,450.79	-338.06	705.35	-229.21	0.62	-0.39	53.35
7,633.00	0.22	51.95	7,545.78	-337.76	705.76	-229.71	0.18	-0.18	-4.31
7,728.00	0.34	140.52	7,640.78	-337.87	706.08	-229.85	0.42	0.13	93.23
7,823.00	0.34	148.02	7,735.78	-338.32	706.41	-229.74	0.05	0.00	7.89
7,919.00	0.48	163.44	7,831.78	-338.95	706.68	-229.45	0.18	0.15	16.06
8,014.00	1.14	343.86	7,926.77	-338.43	706.53	-229.74	1.71	0.69	-189.03

Survey Report



Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah County, UT NAD27	TVD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	MD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,109.00	0.88	343.04	8,021.76	-336.82	706.05	-230.60	0.27	-0.27	-0.86
8,204.00	0.54	315.94	8,116.75	-335.80	705.53	-230.99	0.49	-0.36	-28.53
8,299.00	0.58	295.95	8,211.75	-335.27	704.78	-230.88	0.21	0.04	-21.04
8,394.00	0.29	307.85	8,306.75	-334.91	704.16	-230.72	0.32	-0.31	12.53
8,489.00	0.29	240.27	8,401.74	-334.88	703.76	-230.47	0.34	0.00	-71.14
8,584.00	0.15	195.31	8,496.74	-335.12	703.52	-230.13	0.22	-0.15	-47.33
8,679.00	0.65	162.31	8,591.74	-335.75	703.65	-229.76	0.56	0.53	-34.74
8,774.00	0.58	152.37	8,686.74	-336.69	704.04	-229.33	0.13	-0.07	-10.46
8,870.00	0.18	112.44	8,782.73	-337.18	704.40	-229.22	0.48	-0.42	-41.59
8,964.00	1.18	15.01	8,876.73	-336.30	704.79	-230.13	1.29	1.06	-103.65
9,059.00	0.97	23.23	8,971.71	-334.62	705.36	-231.75	0.27	-0.22	8.65
9,155.00	0.62	62.70	9,067.70	-333.63	706.14	-233.00	0.66	-0.36	41.11
9,250.00	0.79	89.68	9,162.69	-333.40	707.25	-233.93	0.39	0.18	28.40
9,345.00	0.88	99.08	9,257.68	-333.51	708.63	-234.78	0.17	0.09	9.89
9,440.00	0.79	125.80	9,352.67	-334.00	709.88	-235.27	0.42	-0.09	28.13
9,535.00	0.97	114.20	9,447.66	-334.72	711.15	-235.60	0.27	0.19	-12.21
9,631.00	1.58	125.36	9,543.64	-335.82	712.97	-236.02	0.68	0.64	11.63
9,726.00	1.23	144.52	9,638.61	-337.40	714.63	-235.98	0.61	-0.37	20.17
9,821.00	0.79	234.00	9,733.60	-338.62	714.69	-235.13	1.53	-0.46	94.19
9,916.00	0.38	120.33	9,828.60	-339.16	714.43	-234.55	1.06	-0.43	-119.65
10,011.00	0.79	114.55	9,923.59	-339.60	715.30	-234.82	0.44	0.43	-6.08
10,105.00	0.44	194.71	10,017.59	-340.21	715.80	-234.71	0.89	-0.37	85.28
10,200.00	0.62	243.66	10,112.58	-340.79	715.24	-233.90	0.49	0.19	51.53
10,295.00	1.31	340.43	10,207.57	-340.00	714.42	-233.93	1.59	0.73	101.86
10,391.00	1.23	332.08	10,303.55	-338.05	713.57	-234.78	0.21	-0.08	-8.70
10,486.00	1.06	310.11	10,398.53	-336.59	712.42	-235.08	0.49	-0.18	-23.13
10,581.00	0.90	239.28	10,493.52	-336.40	711.11	-234.33	1.20	-0.17	-74.56
10,676.00	0.97	218.70	10,588.51	-337.41	709.96	-232.81	0.36	0.07	-21.66
10,771.00	0.35	303.43	10,683.50	-337.88	709.22	-231.96	1.05	-0.65	89.19
10,865.00	0.36	231.62	10,777.50	-337.90	708.74	-231.63	0.44	0.01	-76.39
10,960.00	0.44	183.90	10,872.50	-338.45	708.49	-231.05	0.35	0.08	-50.23
11,056.00	0.18	234.17	10,968.50	-338.91	708.34	-230.61	0.37	-0.27	52.36
11,151.00	1.06	340.78	11,063.49	-338.17	707.93	-230.88	1.18	0.93	112.22
11,245.00	1.14	20.86	11,157.48	-336.47	707.98	-232.16	0.81	0.09	42.64
11,340.00	0.44	326.02	11,252.47	-335.29	708.11	-233.12	1.01	-0.74	-57.73
11,435.00	0.79	84.06	11,347.47	-334.92	708.56	-233.70	1.13	0.37	124.25
11,531.00	0.70	135.65	11,443.46	-335.27	709.62	-234.16	0.68	-0.09	53.74
11,626.00	0.97	165.62	11,538.45	-336.46	710.23	-233.69	0.53	0.28	31.55
11,720.00	0.59	200.47	11,632.44	-337.69	710.26	-232.81	0.63	-0.40	37.07
11,815.00	0.35	307.30	11,727.44	-337.97	709.86	-232.33	0.81	-0.25	112.45

Survey Report



Company:	Gasco Energy	Local Co-ordinate Reference:	Well Desert Springs State #422-36-9-18
Project:	Uintah County, UT NAD27	TVD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Site:	Desert Springs	MD Reference:	GL 4912' & RKB 25' @ 4937.00ft (SST 54)
Well:	Desert Springs State #422-36-9-18	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,909.00	0.50	169.50	11,821.44	-338.20	709.70	-232.06	0.85	0.16	-146.60
12,004.00	1.06	167.11	11,916.43	-339.46	709.97	-231.31	0.59	0.59	-2.52
12,099.00	1.14	174.67	12,011.41	-341.26	710.26	-230.18	0.17	0.08	7.96
12,194.00	1.55	167.70	12,106.39	-343.46	710.62	-228.81	0.46	0.43	-7.34
12,289.00	1.93	165.35	12,201.34	-346.26	711.30	-227.21	0.41	0.40	-2.47
12,384.00	2.11	175.02	12,296.28	-349.55	711.85	-225.17	0.41	0.19	10.18
12,480.00	2.19	165.92	12,392.22	-353.09	712.45	-222.97	0.36	0.08	-9.48
12,576.00	2.32	165.94	12,488.14	-356.75	713.37	-220.90	0.14	0.14	0.02
12,614.00	2.24	169.34	12,526.11	-358.23	713.70	-220.03	0.41	-0.21	8.95
Last SDI Production MWD Survey									
12,675.00	2.24	169.34	12,587.06	-360.57	714.14	-218.61	0.00	0.00	0.00
Projection to Bit									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
12,614.00	12,526.11	-358.23	713.70	Last SDI Production MWD Survey
12,675.00	12,587.06	-360.57	714.14	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 FNL 1512 FWL		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S		9. API NUMBER: 4304737631
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Uteland Butte
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke	TITLE Engineering Tech
SIGNATURE <i>Lindsey Cooke</i>	DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBUS 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBUS 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBUS 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBUS 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBUS 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBUS 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBUS 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBUS 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBUS 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBUS 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBUS 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBW 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBW 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBW 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S